



# CHEMICAL RESISTANCE CHART

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A			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													A
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK	
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel			
Chemical	Form	%Conc.														
Acetaldehyde	Aqueous	10%		A	A	B		A	D			D	A	A		
Acetamide	Aqueous	10%		A	B	A					A					
Acetic Acid	Aqueous	10%	C	A	C	C	A	B	A	A	A	A	A	A	A	
Acetic Acid	concentrated		D	D	D	C	B	D	D	A	B		B	A	A	
Acetone	Aqueous	10%	B			A	B	B		A	B	A	A	A	A	
Acetone	concentrated		C	B	B	A	C	C	D	A	D	A	D	A	A	
Acrylonitrile	Aqueous	10%		A	A	A		B	D					A		
Acrylonitrile	concentrated										B					
Alcohol, Aliphatic	Aqueous	10%				B		A								
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Alcohol, Allyl						B		A	A							
Alcohol, Amyl				A		B	A		A	B	B			A		
Alcohol, Benzyl				A	C	C		A	D	A	B				A	
Allyl Chloride					C	A					B					
Aluminum Chloride	Aqueous	10%			A	A		A	A	A				A	A	
Aluminum Sulfate	Aqueous	10%	A		A	A			A	A	A		A	A	A	
Ammonia	Aqueous	10%		A	A	A	A	A		A			A	A	A	
Ammonia	concentrated				B	A	B		D		D				A	
Ammonium Carbonate	Aqueous	10%		D	A	A		A	B	A	B			A		
Ammonium Chloride	Aqueous	10%	B		C	A		A	A	A			A	A	A	
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Ammonium Hydroxide	Aqueous	10%	D		A		A	C				A			A	
Amyl Acetate				A	A	B	A	A	D	D	B		D	A	A	
Aniline			B	B	C	C		A	D	D	B		D	A	A	
Antifreeze									A			A				
Antimony Trichloride	Aqueous	10%			D	C			A		B				A	
			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													



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			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX			
Nytef Product Family Tradename																		
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK			
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel					
Chemical	Form	%Conc.																
Barium Chloride	Aqueous	10%		A	D	A		A	A	A	B		A	A	A			
Barium Sulfate	Aqueous	10%		A	A				A	A				A				
Barium Sulfide	Aqueous	10%		A	A	A				A	A						A	
Beer						A			A	A	A		A				A	
Benzaldehyde				A	B	C		A	D	D	B		D	A	A			
Benzene			C	B	A	A	A	A	D	D	B		D	A	A			
Benzene Sulphonic Acid					D				D		B		D	A	D			
Benzoic Acid	Aqueous	10%		B	D	B	A	A	D	A	A		A	A	A			
Benzoic Acid	concentrated				D	D	A		D	A	B		A	A	A			
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX			
Benzyl Alcohol				A	C	C		A	D	A	B						A	
Bitumen				A	B	A												
Bleach (Clorox)	Aqueous	10%		D	D	D	B	B	D		A	A	A	B	A			
Boric Acid	Aqueous	10%		A	C	B	A			A			A				A	
Boric Acid	concentrated					C	A			A	B		A				A	
Boron Trifluoride					D	D					B							
Brake Fluid			A				A					A					A	
Bromine	Aqueous	10%		D	D	C			D	D	A		A	C	A			
Bromine	concentrated			D	D	D			D	D							D	
Butane				A	A	A	A			D	A		A	A	A		A	
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX			
Butter				A		A	A			A			C					
Butyl Acetate				A	A	B	A	A	D	D	A		D	A	A			
Butylamine			D	D	A				D	D	D		D	A				
Butylene Glycol				A	A	B	A	B										
Butyric Acid	Aqueous	10%		A	D	B	A		D	A	A							
Butyric Acid	concentrated			B	D	B			D	A	B							
			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z															



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Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel		
Chemical	Form	%Conc.													
Calcium Chloride	Aqueous	10%	A	A	B	A		A			A				A
Calcium Chloride	Saturated					C									
Camphor,Aqueous	Saturated			A	A	A		A							
Carbonic Acid	Aqueous	10%			A			A			A			A	A
Carnalite	Aqueous	10%				A									
Castor Oil			A	A		A		A			A				
Catechol						D									
Catsup				A		A		A	A	A	B		A		A
Chloral Hydrate					D	D		D			A				
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Chlorine	Aqueous	10%	D	D	C	D				A	A		D	B	D
Chlorine	Saturated		D	D	D	D	A	D			B		D		D
Chlorine	Gas					C			A		B				B
Chlorine Bleach	Aqueous	15% CL				D	D	A		A				A	
Chloroacetic Acid	Aqueous	10%	D	D	D	D	D				B			A	A
Chlorobenzene				A	A	A			D	D	B			A	A
Chloroform				C	B	C		D	D	D	B	C	D	B	A
Chlorosulphonic Acid	Aqueous	10%		D	D	D	D	D			B			D	D
Chlorosulphonic Acid	concentrated			D	D	D	D	D						D	D
Chrome Alum	Aqueous	10%				A			A		A				
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Chromic Acid	Aqueous	10%		D	D	D	B	B	A	A	B	A	A	A	B
Chromic Acid	concentrated			D	D	D									D
Citric Acid	concentrated			A	C	A	A		A	A	B		A	A	A
Clorox	Aqueous			D	D	D	B	B	D		A	A		B	A
Coconut Oil				A		A					A				
Copper Chloride	Aqueous	10%	A		D	A									A
Corn Oil			A	B	A	A		A	A	B		A			
Cotton Seed Oil				A	A			A			A		A	A	
Cresol				D	D	D	D		D		A			A	
Cresote				D	A										A
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Crude Oil				A		A	A				A		A	A	A
Cutting Fluids				A					C						
Cyclohexane				A	A	A		A	A	D	B	A	A	A	A
Cyclohexanol				A	B	C		A	B	D	B		A	A	A
Cyclohexanone				A	A	A		A	D	D	B			A	A

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z



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			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK	
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel			
Chemical	Form	%Conc.														
Detergents				A	A	A	A	A		A		A	A	A	A	
Developing Solutions				A					A							
Dibutyl Phthalate				A	A	A	A	A	D	D	D	C	C	A	A	
Dichlorodifluoro Methane				A				A			A		A			
Dichloroethylene				D		A	D	B			A		B			
Diesel Fuel				B	A	A	A	A	A	D	B	A	A	A	A	
Diethyl Ether				B		A	A		D		B					
Diethylene Glycol	Aqueous	10%		A	A	A		A		A						
Diethylene Glycol	concentrated				A			A								
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Diocetyl Phthalate				A	A	A	A	A	A		A			A	A	
Dish Washing Detergents	Aqueous	10%		A		A	A	A		A	A	A	A			
Drain Cleaners				A					D				C			
			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													



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<b>E</b>			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z											<b>E</b>		
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK	
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel			
Chemical	Form	%Conc.														
Edible Oils					A	A	A	A						A		A
Engine Oils				A		A	A	A								
Ethanol	concentrated		C		A	A	A	A								A
Ethyl Acetate			B	B	A	A	A	A	D		B					A
Ethyl Chloride				A	A	A				D	A				A	
Ethylene Chlorohydrin					D	D		D	D	D	B				A	
Ethylene Glycol	Aqueous	10%	A	A	A	A	B	A	A	B	A	C	A			A
Ethylene Glycol	concentrated				A											
			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													



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<b>F</b>			<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>													<b>F</b>
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK	
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel			
Chemical	Form	%Conc.														
Ferric Chloride	Aqueous	10%	A	A	C	C			A	A	A		A	A	B	
Ferrous Chloride	Aqueous	10%	A	A	B	C					B				A	
Fluorine				D	D	D	D				D				D	
Flux					C	B	A		A	A						
Formaldehyde	Aqueous	10%		A	A	A	A	A	A	A	B	A	B	A	A	
Formic Acid	Aqueous	10%		D	D	C	B	B	B	A	B	A	D	A	A	
Formic Acid	concentrated			D	D										B	
Freon 12 (Arcton 12)				A	A	A	A		D	D	B			A	A	
Fruit Juices	Concentraed			A	A	A	A	A	A	A	A				A	
			<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>													



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G	A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													G	
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX		
Common Name	Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK		
Common Resin Tradename	Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel				
Chemical	Form	%Conc.													
Gasoline			A	A	A	A	A	A	B	C	B	A	A	A	A
Glycerine				A	A	A	A	A		A	A		A	A	A
Grape Juice				A				A	A	A			A		
A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z															





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<b>H</b>			<b>A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z</b>												<b>H</b>
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel		
Chemical	Form	%Conc.													
Hexane			A	A	A	A	A	A	B	C	B	A	C		A
Hydraulic Oils				A		A	A	A	A			C	A		A
Hydrazine				A							A				A
Hydrobromic Acid	Aqueous	10%		D	D	D	B	A		B	B		A	A	D
Hydrochloric Acid	Aqueous	10%	D	D	D	D	B	B	A	A	B		A	A	A
Hydrochloric Acid	concentrated			D	D	D	C	D	B	A	B				A
Hydrofluoric Acid	Aqueous	10%		D	D	D	A	B	A	A	A		B	D	D
Hydrofluoric Acid	concentrated			D	D	D	D	D						D	D
Hydrogen Peroxide	Aqueous	10%	B	A	D	D	A	A	A	A	A		A	A	A
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Hydrogen Peroxide	concentrated		D	D	D	D					A				
Hydrogen Sulfide	Aqueous	10%		A	B	B	A		A	A	A			A	A
Hydrogen Sulfide	concentrated				D										
Hydroquinone					A	B	A	A			A				
			<b>A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z</b>												



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		UNITAL H & BK	UNITAL C & BK	UNIPA Nylon 6/6	UNIPA Nylon 6	UNILATE PBT	UNITEP PET	UNICAR Polycarbonate	UNINOR Modified PPO	UNINAR PVDF	UNITEM PEI	UNIFONE Polysulfone	UNITRON PPS	UNITREX PEEK		
Common Resin Tradename		Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel				
Chemical	Form	%Conc.														
Iodine				B	D	D		A	A	A	B				B	
Iso-Octane				A	A	A	A	A		D	A		A		A	
Isopropyl Alcohol (Isopropanol)				A	A	A	A	A	A	A	A	A			A	
Isopropyl Ether				A		A	A	A		D	B		B			
		A   B   C   D   E   E   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z														



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A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													
<b>J</b>													<b>J</b>
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Common Name	Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK
Common Resin Tradename	Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel		
Chemical	Form	%Conc.											
A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													



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<b>K</b>	<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>													<b>K</b>	
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX		
Common Name	Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK		
Common Resin Tradename	Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel				
Chemical	Form	%Conc.													
Kerosene			A	A	A		A		A	A	B	A	A	A	A
<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>															



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<b>L</b>			<b>A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z</b>												<b>L</b>
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel		
Chemical	Form	%Conc.													
Lactic Acid	Aqueous	10%		A	A	A	A	A	A	A	B		A	B	A
Lactic Acid	concentrated				C										
Lead Acetate	Aqueous	10%		A	B	A				A	A			A	A
Linseed Oil				A	A	A	A	A	A		B		A		A
Lithium Bromide	Aqueous	10%				D					A				
Lubricating Oils (Petroleum)			A	A	A	A	A	A	A		A		A	A	A
			<b>A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z</b>												



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M			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z												M
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel		
Chemical	Form	%Conc.													
Magnesium Chloride	Aqueous	10%		A	A	A		A	A	A	A			A	A
Magnesium Hydroxide	Aqueous	10%		A	A	A		B			A	B			A
Magnesium Sulfate	Aqueous	10%		A	A	A			A	A	A			A	A
Maleic Acid	Aqueous	10%		B		B		A		A	A				A
Malonic Acid	concentrated					D							A		
Mayonaise				A		A			A	A			A		
Mercuric Chloride	Aqueous			A	B	A		A	A	A	B				A
Mercury				A		A	A	A		A	B				A
Methanol				B	A	A		A		A		A			A
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Methyl Acetate				A	A	A	B	A			A				
Methyl Chloride			A	A	B	B				B	A			A	
Methyl Chloroform					A										
Methyl Ethyl Ketone			A	B	A	B	A	A	D	C	D	D		A	A
Methylene Chloride			A	B	B	C	D	D	D	D	B		D	A	A
Milk				A	A	A	A	A	A	A	B		A		
Mineral Oil				A	A	A	A	A		C	B		A	A	A
			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z												



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N			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													N
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK	
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel			
Chemical	Form	%Conc.														
Naphthalene				A	A	A		A		D	A		D	A	A	
Natural Gas				A		A	A				A				A	
Nickel Sulphate	Aqueous	10%		A		A	A				A				A	
Nitric Acid	Aqueous	10%		A	A	A			A	A	B			A	A	
Nitric Acid	concentrated		D	D	D	D	B	B	A	A	A	D	B	A	A	
Nitrobenzene			D	D	D	D	D	D		C	B	D	D	B	D	
Nitromethane				B	C	B	D	D	D	D	B			A	A	
			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													







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O			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													O
Nytel Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK	
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel			
Chemical	Form	%Conc.														
Oleic Acid					A	B		C	B	C	B		D	A		
Olive Oil				A	A	A	A	A	A	B	B		A	A	A	
Oxalic Acid	Aqueous	10%		A		A	A	A	A		A		A		A	
Oxalic Acid	concentrated				C	B	A		A				A	A	A	
Ozone		20 ppm		B		C	A			B	B			A	A	
			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													

Chemical Resistance Charts

Nitrate	Aqueous	10%		D	C		D	D			D				A
Potassium Nitrate	concentrated			A	A	A	A	A	A	A	A		A	A	A
Potassium Permanganate	Aqueous	0%											A		A
Potassium Permanganate	Saturated		B	B	D	D	A	A	A	A			A	A	A
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Potassium Sulphate	Aqueous	10%			D	D					B				A
Potassium Sulphate	Saturated			A	A	A				A				A	A
Propane	Gas										B				A
Propane	Liquid				A	A		A			A				A
Pyridine				A		A	A			D					

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z



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Q													Q
A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Common Name	Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK
Common Resin Tradename	Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel		
Chemical	Form	%Conc.											
A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													



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<b>R</b>			<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>											<b>R</b>	
			Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM		UNIFONE
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel		
<b>Chemical</b>	<b>Form</b>	<b>%Conc.</b>													
Resorcinol			B	B	A	A			D	D	B		D	A	A
			<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>												



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S			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													S
			Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK	
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel			
Chemical	Form	%Conc.														
Salicylic Acid					D	D	D									
Silicone Oil			D	A	A	B	A			B						
Silver Nitrate				A	A	A	A	A	A	A	A				A	
Soap Solutions	Aqueous	1%		B	A	A		A	A	A	B				A	
Sodium	Molten				A	A	A	A		A	A				A	
Sodium Acetate	Aqueous	10%										D			D	
Sodium Acetate	Saturated			A	A	A		A		A				A	A	
Sodium Benzoate	Aqueous	10%									B				A	
Sodium Bicarbonate	Aqueous	10%			A			A			B					
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX			
Sodium Bicarbonate	Saturated			A	A	A	A	A	A	A	A	A	A	A	A	
Sodium Bisulfite	Aqueous	10%								B					A	
Sodium Bromide	Aqueous	10%	D			A	A	A		A	B				A	
Sodium Carbonate	Aqueous	10%		A	A	B		A		A						
Sodium Carbonate	Saturated			A	A	A	A	A	A	A	A	A	A	A	A	
Sodium Chlorate	Aqueous	10%								B					A	
Sodium Chlorate	Saturated		A	A	A	C	A		A	A				A	A	
Sodium Chloride	Aqueous	10%								A					A	
Sodium Chloride	Saturated		A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium Cyanide	Aqueous	10%			C	B			A	B					A	
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX			
Sodium Cyanide	Saturated			D	A	A			A	A				A		
Sodium Hydroxide	Aqueous	10%		D						B						
Sodium Hydroxide	Saturated		D	A	A	A	C	C	D	A	A	A	A	A	A	
Sodium Hypochlorite	Aqueous	15% Cl	D		D	D	D	D	D	C	D		A	A	A	





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T			A   B   C   D   E   E   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													T				
			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX					
Nytef Product Family Tradename																				
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK					
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel							
Chemical	Form	%Conc.																		
Tallow				D		B	A													
Tar				A	A	A	A			A	A							A		
Tartaric Acid	Aqueous	10%		A	A	A	A				A							A		
Tetrahydrofuran	concentrated			A	B	B			A	A	B					A	A			
Thionyl Chloride			A	B	A	A	B	A	D	D	B			D	A	A				
Thiophene					D	D					B									
Toluene									D											
Tomato Juice			C	B	A	A	A	A	C	A	B	D	D	A	A					
Transformer Oil				A				A	A	A	A			A	A					
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX					
Transmission Fluid				A	A	A	A	A	A						A	A				
Trichloroethylene				A	A		A	A	A	A	A	A	A	A	A	A				
Triethanolamine						B		B			D									
Trisodium Phosphate	Aqueous	10%		A	A	A		B			B				A					
Turpentine						B			A		B				A					
			A   B   C   D   E   E   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z																	



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U			A   B   C   D   E   E   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z											U
Nytef Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Common Name	Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK	
Common Resin Tradename	Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel			
Chemical	Form	%Conc.												
Urea	Aqueous	10%		A	A	A	A		D	D	A		A	A
			A   B   C   D   E   E   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z											





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V			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													V
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX			
Common Name	Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK			
Common Resin Tradename	Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel					
Chemical	Form	%Conc.														
Vaseline			A	A	A	A	A	A		B			A	A		
Vegetable Oil				A	A	A		A	A	B				A		
Vinegar				A	A	A	A	A		A		A	A	A		
Vinyl Chloride				A	C	B		A	A	A			A	A		
			A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z													



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A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z														
W														W
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX	
Common Name	Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK	
Common Resin Tradename	Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel			
Chemical	Form	%Conc.												
Wax				A	A				A					
Whiskey				A	A	A	A				A		A	
Wine				A			A	A	A	A				
A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z														



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<b>X</b>			<b>A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z</b>											<b>X</b>	
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX		
Common Name	Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK		
Common Resin Tradename	Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel				
Chemical	Form	%Conc.													
Xylene				A	A	A	A	A	A	A			A		
Xylenol				A	A	A	A	A	D	D	A	A	D	A	A
			<b>A   B   C   D   E   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z</b>												



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<b>Y</b>	<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>												<b>Y</b>
Nytec Product Family Tradename	UNITAL H & BK	UNITAL C & BK	UNIPA 6/6	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Common Name	Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK
Common Resin Tradename	Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel		
Chemical	Form	%Conc.											
<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>													



# CHEMICAL RESISTANCE CHART

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<b>Z</b>			<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>												<b>Z</b>
Nytef Product Family Tradename			UNITAL H & BK	UNITAL C & BK	UNIPA	UNIPA M	UNILATE	UNITEP	UNICAR	UNINOR	UNINAR	UNITEM	UNIFONE	UNITRON	UNITREX
Common Name			Homopolymer	Copolymer	Nylon 6/6	Nylon 6	PBT	PET	Polycarbonate	Modified PPO	PVDF	PEI	Polysulfone	PPS	PEEK
Common Resin Tradename			Delrin		Zytel				Lexan	Noryl	Kynar	Ultem	Udel		
Chemical	Form	%Conc.													
Zinc Chloride	Aqueous	10%			D										
Zinc Oxide			D	A	C	C	A	A	A	A	B	A	A	A	A
Zinc Sulfate	Aqueous	10%			A	A									
Zinc Sulfate	Saturated			B	A	A			A	A			A	A	A
			<a href="#">A</a>   <a href="#">B</a>   <a href="#">C</a>   <a href="#">D</a>   <a href="#">E</a>   <a href="#">F</a>   <a href="#">G</a>   <a href="#">H</a>   <a href="#">I</a>   <a href="#">J</a>   <a href="#">K</a>   <a href="#">L</a>   <a href="#">M</a>   <a href="#">N</a>   <a href="#">O</a>   <a href="#">P</a>   <a href="#">Q</a>   <a href="#">R</a>   <a href="#">S</a>   <a href="#">T</a>   <a href="#">U</a>   <a href="#">V</a>   <a href="#">W</a>   <a href="#">X</a>   <a href="#">Y</a>   <a href="#">Z</a>												



## HOW TO USE THIS CHART

The following chart provides an indication of the ability of plastic stock shape materials manufactured by Nytef Plastics, Ltd. to resist degradation caused by chemical attack. This information should be used only as a guide. Any material that is to be used in a chemical environment should be tested in the actual application prior to production. All of the data is provided for chemical contact at room temperature (73°F/23°C). The chemical resistance of plastic materials will often decrease substantially as temperature increases.

### Material Ratings:

**A:** No attack to minor degradation. Physical property degradation 10% or less. Slight changes in color may occur. Slight surface crazing may be present after extended exposure. Suitable for use under virtually all application conditions.

**B:** Significant attack. Physical property degradation 40% or less. May involve substantial changes in color. Significant surface crazing may be present. Suitable for short-term exposure or long-term exposure under light loads.

**C:** Substantial attack. Physical property degradation in excess of 40%. Substantial crazing and cracking may occur after extended exposure. Suitable for very short-term or intermittent exposure only.

**D:** Plastic material degrades and/or dissolves quickly. Not to be used under any circumstances.

### Concentrations:

- **Aqueous:** Aqueous (water) solution. Concentration is by weight (usually 10%).
- **Saturated:** Saturated aqueous solution.
- **Concentrated:** Concentrated aqueous solution. If the concentration is not given, the test was conducted with a full-strength solution (100%).

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## Uninar PVDF

Uninar PVDF tends to discolor substantially in the presence of many chemical agents. While this discoloration does not usually affect the physical properties of the material, it does change the materials rating from an "A" to a "B." Please take this into consideration when considering this material for use.

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