Pro Plastics Inc.

Plastics for Industry

Toll Free 866.925.5000

LEGEND	
Blue	No/Slim Absorption. No/Slim Mechanical Property Effects.
Green	Slight Absorption. Mild Degradation In Mechanical Properties.
Yellow	Moderate Absorption. Mechanical properties break down.
Red	Complete Decomposition Of Material
-	No Comprehensive Data Available
CW%	Concentration Weight %

ABS	Ace	Acr	CAB	ECTFE	Flu	HDPE	Nyl	PEEK	PET	Poc
ABS	*Acetal*	*Acrylic*	*CAB*	*ECTFE (Halar)*	*Flurosint*	*HD-PE*	*Nylon*	*PEEK*	*PET*	*Polycarbonate*

Pop	Pos	PPS	PVC1	PVC2	PVDF	TFE	Tor	UHMW		
Polypropylene	*Polysulfone*	*PPS*	*PVC, Type I*	*PVC, Type II*	*PVDF*	*TFE Fluorocarbon*	*Torlon*	*UHMW*		

Name		ABS	Ace	Acr	CAB	CPVC	ECTFE	Flu	HDPE	Nyl	PEEK	PET	Poc	Pop	Pos	PPS	PVC1	PVC2	PVDF	TFE	Tor	UHMW
Acetaldehyde Aq.	40																					
Acetal Acid Aq.	10																					
Acetone																						
Alcohols, Aliphatic																						
Aluminum Chloride Aq.	10																					
Aluminum Sulphate Aq.	10																					
Ammonia Gas																						
Ammonium Carbonate Aq.	10																					
Ammonium Chloride Aq.	10																					
Amyl Acetate																						
Aniline																						
Antimony Trichoride Aq.	10																					
Barium Chloride Aq.	10																					
Barium Sulphate Aq.	10																					
Benzene																						
Benzene Sulphonic Acid	10																					
Bleaching Lye	10																					
Boric Acid Aq.	10																					
Boron Trifluoride																						
Bromine Aq.	30																					

Name		ABS	Ace	Acr	CAB	CPVC	ECTFE	Flu	HDPE	Nyl	PEEK	PET	Poc	Pop	Pos	PPS	PVC1	PVC2	PVDF	TFE	Tor	UHMW
Butanol																						
Butyric Acid Aq.	20																					
Butyric Acid	concn																					
Calcium Hypochlorite																						
Camphor																						
Carbon Tetrachloride																						
Chloral Hydrate																						
Chloride Aq.	10																					
Chloroform																						
Chlorosulphonic Acid Aq.	10																					
Chrome Alum Aq.	10																					
Chromic Acid Aq.	10																					
Citric Acid Aq.	10																					
Creosote																						
Cresylic Acid																						
Cyclohexanol																						
Cyclohexanone																						
Detergents, Organic																						
Dibutylphthalate																						
Diesel Oil																						
Dioxan																						

Name		ABS	Ace	Acr	CAB	CPVC	ECTFE	Flu	HDPE	Nyl	PEEK	PET	Poc	Pop	Pos	PPS	PVC1	PVC2	PVDF	TFE	Tor	UHMW
Edible Oils																						
Ether, Diethyl																						
Ethyl Acetate																						
Ethylene Dichloride																						
Ethylene Glycol Aq.	96																					
Ferrous Chloride Aq.	10																					
Fluorine																						
Fluosilicic Acid Aq.	10																					
Freon 12 (Arcton 12)																						
Formaldehyde Aq.	40																					
Formic Acid Aq.	3																					
Fruit Juices	concn																					
Glycerine																						
Heptane																						
Hydrobromic Acid Aq.	10																					
Hydrochloric Acid Aq.	0.4																					
Hydrofluoric Acid Aq.	4																					
Hydrogenated Vegetable Oils																						
Hydrogen Peroxide Aq.	0.5																					
Hydrogen Peroxide Aq.	1																					
Hydrogen Peroxide Aq.	3																					
Hydrogen Sulphide Aq.	sat																					

Name		ABS	Ace	Acr	CAB	CPVC	ECTFE	Flu	HDPE	Nyl	PEEK	PET	Poc	Pop	Pos	PPS	PVC1	PVC2	PVDF	TFE	Tor	UHMW
Hydroquinone																						
Iodine (in Alcohol)																						
Iodine (in Pot. Iodine) Aq.	3																					
Isopropyl Alcohol																						
Lactic Acid Aq.	10																					
Lactic Acid Aq.	90																					
Lead Acetate Aq.	10																					

Name		ABS	Ace	Acr	CAB	CPVC	ECTFE	Flu	HDPE	Nyl	PEEK	PET	Poc	Pop	Pos	PPS	PVC1	PVC2	PVDF	TFE	Tor	UHMW
Lead Acetate Aq.	10	-	-	-	-							-	-		-				-			
Linseed Oil		-		-	-							-		-					-	-	-	
Lubrication Oils (Petroleum)		-		-	-		-								-				-			
Magnesium Chloride Aq.	10	-		-	-										-				-			
Maleics Acid	coinc	-	-	-	-					-		-	-		-	-			-		-	
Malonic Acid Aq.	coinc	-	-	-	-	-	-		-	-		-	-	-			-	-	-		-	-
Mercuric Chloride Aq.	6	-			-							-	-		-	-			-		-	
Methyl Acetate		-		-		-	-		-				-	-	-		-	-	-		-	-
Methyl Ethyl Ketone																			-			
Methyl Chloride		-		-															-			
Milk					-	-									-				-		-	
Mineral Oils		-		-	-							-			-							
Naphthalene			-	-	-								-		-				-		-	
Nickel Sulphate Aq.	10	-	-		-							-			-				-		-	
Nitric Acid Aq.	0.1											-				-					-	
Nitric Acid Aq.	10	-		-	-				-				-	-							-	
Name		ABS	Ace	Acr	CAB	CPVC	ECTFE	Flu	HDPE	Nyl	PEEK	PET	Poc	Pop	Pos	PPS	PVC1	PVC2	PVDF	TFE	Tor	UHMW
Oleic Acid		-		-		-						-							-		-	
Oxalic Acid	10	-			-							-	-								-	
Ozone		-		-												-					-	
Paraffin		-		-	-	-			-				-	-	-			-	-			
Perchloric Acid Aq.	10	-		-	-								-		-	-			-		-	
Petrol		-		-	-	-							-	-	-		-		-			
Phenol Aq.	75	-		-	-	-			-				-	-	-	-	-	-	-		-	
Phosphoric Acid Aq.	0.3	-	-							-												
Phosphoric Acid Aq.	3	-		-	-				-	-			-	-								
Phosphoric Acid Aq.	10	-		-	-				-				-	-								
Phthalic Acid Aq.	sat	-	-	-	-	-	-		-			-	-	-	-	-	-	-			-	
Potassium Bicarbonate Aq.	60	-	-	-	-		-					-	-		-	-			-		-	-
Potassium Choride Aq.	10	-	-	-	-		-						-		-				-		-	
Potassium Ferrocyanide Aq.	90		-												-				-		-	
Propane gas	30	-	-		-				-			-	-	-	-	-			-		-	-
Salicylic Acid		-	-	-								-	-		-				-		-	
Silicone Fluids		-	-	-	-	-	-		-			-	-	-	-	-	-	-	-		-	-
Silver Nitrate			-	-	-	-	-		-			-	-	-	-		-	-	-			
Soap Solutions		-											-		-				-		-	
Sodium Acetate Aq.					-								-		-				-		-	
Sodium Bicarbonate Aq.	50	-													-				-			
Name		ABS	Ace	Acr	CAB	CPVC	ECTFE	Flu	HDPE	Nyl	PEEK	PET	Poc	Pop	Pos	PPS	PVC1	PVC2	PVDF	TFE	Tor	UHMW
Sodium Hypochlorite 15% (Chlorine Bleach)		-			-	-													-			
Sodium Nitrate Aq.	50	-			-								-		-				-		-	
Stannic Chloride Aq.	10	-	-	-	-	-	-					-	-		-		-		-		-	-
Stearic Acid		-	-	-	-							-	-		-	-			-		-	
Styrene (Monomer)		-	-	-		-			-				-	-	-		-	-	-		-	-
Sulphur Dioxide (Dry Gas)	100												-		-							
Sulphuric Acid Aq.	2				-																	
Sulphuric Acid Aq.	5	-		-	-	-			-				-	-								
Sulphurous Acid Aq.	10	-			-								-		-	-			-		-	
Tallow		-	-	-	-	-	-					-	-	-	-		-	-	-			
Tar		-	-	-	-	-	-		-			-	-	-	-		-	-	-			-
Toluene					-																	
Transformer Oil		-	-		-	-	-		-			-	-	-	-		-	-	-			
Trichlorethylene		-			-								-						-			
Triethanolamine		-	-	-	-	-	-						-		-				-			
Turpentine					-							-							-			
Trisodium Phosphate Aq.	95	-	-		-					-			-		-				-		-	-
Urea		-		-	-								-		-				-		-	
Vaseline				-	-									-	-				-			
Vegetable Oil				-	-	-			-				-	-	-		-	-	-			
Vinegar				-	-								-		-				-			
Vinyl Chloride		-	-	-	-	-	-		-			-	-	-	-		-	-	-		-	-
Water				-	-														-			
Wax (Molten)				-	-	-			-				-	-			-	-	-			
White Spirit		-		-	-				-			-	-	-	-		-	-	-		-	
Wines and Spirits				-	-				-					-	-				-			
Xylene			-										-						-			
Xylenol		-	-	-	-	-			-			-	-	-	-	-	-	-	-		-	-
Zinc Chloride Aq.	10	-	-			-						-							-		-	