



LATI COMPOUNDS CHEMICAL RESISTANCE DATA



A=Good, B=Fair, C=Poor Resin in contact for 24h No load applied		LASTIROL (PS) °C			LASTIL (SAN) °C			LASTILAC (ABS) °C			LATILON (PC) °C			LARIL (PPOm) °C			LASTANE (PUR) °C			LASULF (PSU) °C			
		Conc.	23	50	75	23	50	75	23	50	75	23	60	100	23	60	100	23	60	100	23	60	100
INORGANIC ACIDS	Hydrochloric Acid	10%	B	B		A	A		A		B	A	A	A	A	A		B			A	A	A
		35%	B	B		A	A		A					C	A	A		C	C	C	A	C	C
	Nitric Acid	10%	B	B		A	A		A			A			A	A	A	C	C	C	A	C	C
		35%	B	B		A	C	C	B	C	C	B			A	A		C	C	C	A	C	C
	Sulfuric Acid	10%	A	A		A	A		A			A	A	A	A	A		B			A	A	A
		35%	A	A		A	A		A			A	A		A	A		C	C	C	A	A	A
	Hydrofluoric Acid	10%	B	B		A	B		A			A	A		A								
		50%	C	C	C	A	B		C					C				C	C	C	C	C	C
	Chromic Acid	10%	A	B		A	A		A			A	A		A	A	A	C	C	C	A	A	A
		50%	B	B		A	B		B						C	C	C	C	C	C			
	Aqua Regia	10%	B	C	C	B	C	C					B		C	C	C	C	C	C			
		50%				C	C	C							C	C	C	C	C	C			
ORGANIC ACIDS	Acetic Acid	10%	B	B	C	A	A		A			A	C	A	A	A	B			A	A	A	
		50%	C	C	C	A	B		A			C	C	C	B		C	C	C			B	
	Citric Acid	10%	A	B		A	A		A			A			A						A		
		50%							A									A					
	Formic Acid	10%	A	A		A	B		A			A			A		C	C	C	B			
		50%	A	A		B	C	C	C					C	A		C	C	C				
	Tartaric Acid	10%	A	B		A	A		A			A			A			A					
		50%				A	A		A														
	Acrylic Acid	10%																					
		50%																					
	ALKALIES	Ammonia	10%	A	A		A	A		A			C	C	C	A			A			A	
			50%				A	A		A			C	C	C							A	
Sodium Hydroxide		10%	A	B		A	A		A			C	C	C	A	A	A	B			A	A	
		50%	A			A	A		A			C	C	C	A	A		C	C	C	A	A	
Potassium Hydroxide		10%	A	A		A	A		A			C	C	C	A	A		B			A	A	
		50%	A	A		A	A		A			C	C	C	A	A							
Ammonium Hydroxide		10%	A	B		A	A		A			C	C	C	C	A	A	A	C	C	C	A	A
		50%				A	B		A			C	C	C				C	C	C			
ALCOHOLS	Butyl Alcohol (Butanol)	-	A	B		A	B					A	A	A	A		B	B			A	A	
	Methyl Alcohol (Methanol)	-	B	B	C	C	C	C	C	C	C	C	C	C	A	A		B			A		
	Ethyl Alcohol (Ethanol)	85%	B	B		A	B		C	C	C	A	B		C	C	C	B			B		
	Cyclohexanol	-																B					
	Ethylene Glycol	-	A	A	A	A	A		A			B		A	A	A		B			A	A	
	Isopropyl Alcohol (Isopropanol)		A	B		A	B		B	C	C	A	A		C	C	C	B			A		
	Glycolic Alcohol (Glycerol)	-													A								
KETONES	Acetone		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
	Cyclohexanone		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
	Formaldehyde	37%	C	C	C	B	C	C	C	C	C	A	A	A	C	C	C	C	C	C	A	A	
	Methyl Ethyl Ketone		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	C	

REMARKS

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A=Good, B=Fair, C=Poor Resin in contact for 24h No load applied		LASTIROL (PS) °C			LASTIL (SAN) °C			LASTILAC (ABS) °C			LATILON (PC) °C			LARIL (PPOM) °C			LASTANE (PUR) °C			LASULF (PSU) °C			
		Conc.			Conc.			Conc.			Conc.			Conc.			Conc.						
		23	50	75	23	50	75	23	50	75	23	60	100	23	60	100	23	60	100	23	60	100	
ESTERS	Ethyl Acetate	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
	Aliphatic esters																						
ETHERS	Dioxane	C	C		C	C	C	C	C	C	C	C		C	C	C	C					C	
	Ethylene Oxide	C	C	C	C	C	C	C	C	C	A	A	A	A		C	C	C					
HALOGENATED ORGANIC COMPOSITES	Chloroform	C	C	C	C	C	C	C	C	C	C	C	C	B		C	C	C	C	C	C	C	
	Methylene Chloride	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
	Perchloroethylene	C	C	C	A	C	C	C	C	C				C	C	C	C	C	C				
	Carbon Tetrachloride (wet)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
HYDROCARBONS	Trichloroethylene	C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	C	C	C	
	Benzene	C	C	C	C	C	C	C	C	C	C	C	C	B	C	C	B				B	C	
	Gasoline (pure)	C	C	C	A	B		C	C	C	B			C	C	C	C	C	C		B		
	Cyclohexane	C	C	C	B	C	C	C	C	C	A		B	C	C	C	B				A		
	Heptane	C	C	C	A	A		C	C	C	A			C	C	C	B				A	A	A
	Brake Fluids	C	C	C	C	C	C	C	C	C	C	C	C	A	A						A	A	
	Skydrol											C	C	C				C	C	C	A		
	Diesel Fuel	B	B		A	A					A	A	A	A		C	A				A	A	A
	Kerosene	B	C	C	A	B		A			A			A	A		C	C	C	A			
	Methane (gas)																B						
	Mineral Oil	A	A		A	A		A			A	A	A	A	A	A	A				A	A	A
	Toluene	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
	Xylene	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
	INORGANIC CHEMICALS	Nitrogen																A					
Sodium Bicarbonate		A	A		A	A		A			A	A	A	A	A						A	A	A
Bromine 10%		C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	A			
Chlorine (wet)		C	C	C	C	C	C	C	C	C				A			C	C	C	C	C	C	
Sodium Chloride 10%		A	B		A	A		A			A	A	A	A	A	A					A	A	A
Fluorine					C	C	C	C	C	C													
Iodine (solution)		B	B		B	C	C	C	C	C	A			B			C	C	C				
Sodium Hypochlorite		A	B		A	A		A			A	A	A	A							A	A	A
Oxygen (low pressure)												A	A				A			C	A		
Ozone <5 ppm		A			A	A		A			C						A						
Sodium (hot)		A																					
Copper Sulfate 10%		A	B		A	A		A			A			A			A						
Sulfur		A	A		A	A		A			A						B						
MISCELLANEOUS	Sea Water	A	A		A	A							A			A							
	Hydrogen Dioxide (Peroxide) 30%	A	B		A	A		B			A	A		A		C	C	C	A				
	Distilled Water	A	A											A									
	Aniline	C	C	C	C	C	C	C	C	C			C	C	C	C	C	C				C	
	Phenol (conc.)	B			C	C	C	C	C	C	C	C	C	C	C	C	C	C				C	

REMARKS

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		Conc.	23	60	100	23	60	100	23	60	75	23	60	100	23	60	100	23	60	100	23	60	100
		INORGANIC ACIDS																					
Hydrochloric Acid	10%	A	B	C	A			A	A		A	A	A	A	A	C	C	C	C	C	C	C	C
	35%	A	B		A			A	A		A	B	C	A	A	C	C	C	C	C	C	C	C
Nitric Acid	10%	B	C		A			A	A		A	A	A	A	A	C	C	C	C	C	C	C	C
	35%	B	C	C	B			B	C	C	B	B	C	A	B	C	C	C	C	C	C	C	C
Sulfuric Acid	10%	A	A		A			A	A		A	A		A	A	C	C	C	C	C	C	C	C
	35%	A	A		A			A	B		B	C	C	A	A	C	C	C	C	C	C	C	C
Hydrofluoric Acid	10%	A	B					A	A		A	A		A	A	C	C	C	C	C	C	C	C
	50%	B	C	C				A	A		A	B		A	A	C	C	C	C	C	C	C	C
Chromic Acid	10%	A	B					A	A		A	A		A	A	C	C	C	C	C	C	C	C
	50%	C	C					A	A		A	C	C	A	B	C	C	C	C	C	C	C	C
Aqua Regia	10%				A			C	C	C	B	C	C	B	C	C	C	C					
	50%	C	C	C	A			C	C	C	B	C	C	C	C	C	C	C					
ORGANIC ACIDS																							
Acetic Acid	10%	A	A		A			A	A		A	A		A	A	B	C	C	B	C	C		
	50%	A	A		A			A	B		A	A		A	A	C	C	C	C	C	C		
Citric Acid	10%	A	A					A	A		A	A		A	A	A	A	A	A	A	A	A	A
	50%	A						A	B		A	A				C	C	C	C	C	C		
Formic Acid	10%	A	B		A			A	A		A	A		A	A	B	C	C	B	C	C		
	50%	B	C	C				A	A		A	B		A	A	C	C	C	C	C	C		
Tartaric Acid	10%	A	A					A	A		A	A		A	A	A			A				
	50%							A	A		A	A		A	A	B			B				
Acrylic Acid	10%							A	A							C	C	C					
	50%															C	C	C					
ALKALIES																							
Ammonia	10%	A	B					A	A		A	A		A	A	A	B		A	B			
	50%	A	B					A	A		A	A		A	A				A	B			
Sodium Hydroxide	10%	A	A		A			A	A		A	A	A	A	A	A		C	A	B	C		
	50%	A	A					A	A		A	A	A	A	A	A			B				
Potassium Hydroxide	10%	A	A		A			A	A		A	A	A	A	A	A		C	A				
	50%	A	C					A	A		A	A		A	A	A		C	B				
Ammonium Hydroxide	10%	A	B					A	A		A	A		A	A	C	C	C	B	C	C		
	50%	B	B					A	A		A	B		A	B	C	C	C					
ALCOHOLS																							
Butyl Alcohol (Butanol)	-				A			A	A		A	A	A	A	A	A	B		A	B	B		
Methyl Alcohol (Methanol)	-	A	B		B			A	A		A	A		A	A	B		B	C	C			
Ethyl Alcohol (Ethanol)	85%	A	B		B			A	B		A	A	A	A	A	B		B	C	C			
Cyclohexanol	-	A	B					A	A		B	C	C					B					
Ethylene Glycol	-	A	A	A	A			A	A		A	A	A	A	A	B		A					
Isopropyl Alcohol (Isopropanol)	-	B	C		A			A	A		A	A		A	A	B		B					
Glycolic Alcohol (Glycerol)	-	A	A		A			A	A		A	A		A	A								
KETONES																							
Acetone					C	C	C	C	C	C	A	C	C	A	A	A		B	C	C			
Cyclohexanone		C	C	C				B	C	C	C	C	C	B	C	C	A		A	A			
Formaldehyde	37%	B	C	C	A			A	A		A	A	B	A	A	B	C	C	A				
Methyl Ethyl Ketone		C	C	C	C	C	C	C	C	C	A	B		A	A	B		A	A				

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		Conc.			Conc.			Conc.			Conc.			Conc.			Conc.					
		23	60	100	23	60	100	23	60	75	23	60	100	23	60	100	23	60	100	23	60	100
ESTERS	Ethyl Acetate	C	C	C	C	C	C	A	A		A	A		A	B		A			A	A	A
	Aliphatic esters							A	A													
ETHERS	Dioxane	B	C					A	A		C	C	C	A	B		A			A	A	A
	Ethylene Oxide	A	A					A	B		A	A		B	B		B			C	A	
HALOGENATED ORGANIC COMPOSITES	Chloroform	C	C	C				B	C	C	C	C	C	C	C	C	C	C	C	C	C	C
	Methylene Chloride	C	C	C	C	C	C	B	C	C	A	C	C	B	C	C	B					
	Perchloroethylene	C	C	C				C	C	C	C	C	C	C	C	C	B	C	C	B	C	C
	Carbon Tetrachloride (wet)	B	C		B			B	C	C	B	B	C	C	C	C	C	A	A	A	A	B
HYDROCARBONS	Trichloroethylene	C	C	C				C	C	C	C	C	C	C	C	C	C	B		C	B	B
	Benzene	C	C	C				C	C	C	C	C	C	C	C	C	A	A		A	A	
	Gasoline (pure)	C	C	C	A			B	C	C	B	C	C				A	A	A	A	A	B
	Cyclohexane	A						B	C	C	B	C	C	B	C	C	A			A		C
	Heptane	A	B					C	C	C	B	C	C				A			A		B
	Brake Fluids	B	C	C	C	C	C	A	A		C	C	C	C	C	C	A	A	B	A	A	B
	Skydrol	B	C	C				A	B		A	B		A	A							
	Diesel Fuel	A						A	B								A	A		A		
	Kerosene	B	C		A			B	C		B	C	C	C	C	C				A		
	Methane (gas)										A	A					A			A		
	Mineral Oil	A	A					A	B		A	B		A	A		A			A		C
	Toluene	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	A	A	A	A	A	B
	Xylene	C	C	C				B	C	C	C	C	C	B	C	C	A	A	A	A	A	A
	INORGANIC CHEMICALS	Nitrogen	A	A					A	A								A			A	
Sodium Bicarbonate		A	A					A	A		A	A		A	A		A			A		B
Bromine 10%		C	C	C				B	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Chlorine (wet)		C	C	C				B	C	C	B	C	C	B	C	C	C	C	C	C	C	C
Sodium Chloride 10%		A	A					A	A		A	A	B	A	A		B	B	B	A	B	C
Fluorine		C	C	C				A	C	C	C	C	C	B	C	C	C	C	C	C	C	
Iodine (solution)		B						A	A		A	A		A	C	C	C	C	C	C	C	C
Sodium Hypochlorite		A	A					A	B		B	C	C	B	C	C	C	C	C	C	C	C
Oxygen (low pressure)		A	A					A	A		B	C	C				A			A		
Ozone <5 ppm		A	A					B	C	C	B	C	C	A	A		B			B		
Sodium (hot)																						
Copper Sulfate 10%		A	A					A	A		A	A		A	A		A	A	A	B		
Sulfur								A	A		A	A					A			A		
MISCELLANEOUS		Sea Water	A	A					A	A		A	A		A	A		A	A	B	A	
	Hydrogen Dioxide (Peroxide) 30%	A	A					A	A		A	B	C	A	A		C	C	C	B		C
	Distilled Water	A	A					A	A		A	A										
	Aniline	C	C	C				B	C	C				A	B		B			B		
	Phenol (conc.)	C	C	C				C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

REMARKS

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A=Good, B=Fair, C=Poor Resin in contact for 24h No load applied		LATAMID 12 (PA 12) °C			LATAN (POM) °C			LATER (PBT) °C			LARTON (PPS) °C			LARAMID (PPA) °C			LARPEEK (PEEK) °C				
		Conc.	23	60	100	23	60	100	23	60	100	23	60	100	23	60	100	23	60	200	
INORGANIC ACIDS	Hydrochloric Acid	10%	C	C	C	C	C	C	A	B	C	A	A	A				A	A		
		35%	C	C	C	C	C	C	C	C	C	A	A	A				A	B		
	Nitric Acid	10%	C	C		C	C	C	A	B	C	A	A	A				A	A		
		35%	C	C	C	C	C	C	C	C	C			B				C	C	C	
	Sulfuric Acid	10%	B	C	C	B	C	C	A	B	C	A	A	A	A			B	B	B	
		35%	C	C	C	C	C	C	A	B	C	B	B	B	A			C	C	C	
	Hydrofluoric Acid	10%				C	C	C	A	B		A	A	A				C	C	C	
		50%	C	C	C	C	C	C	C	C	C	A	A	A				C	C	C	
	Chromic Acid	10%	C	C	C	C	C	C	B			A	A	A				A			
		50%	C	C	C	C	C	C										C	C	C	
	Aqua Regia	10%	C	C	C	C	C	C	C	C	C							C	C	C	
		50%	C	C	C	C	C	C	C	C	C										
ORGANIC ACIDS	Acetic Acid	10%	C	C	C	A	C	C	A	B	C	A	A	A				A	A		
		50%	C	C	C	C	C	C	B	B	C	A	A	A				A	A	A	
	Citric Acid	10%	A	B		A	B		A	B		A	A	A				A	A		
		50%	A	B																	
	Formic Acid	10%	A	C	C	C	C	C	A	B	C	A	A	A				B	B		
		50%	C	C	C	C	C	C			C			B							
	Tartaric Acid	10%	A	B		A						A	A	A							
		50%																			
	Acrylic Acid	10%				C	C	C										A	A		
		50%				C	C	C													
	ALKALIES	Ammonia	10%	A	A		A	A		A	C	C	A	A	A				A	A	A
			50%	A	A		A	A		B	C	C	A	A	A				A	A	A
Sodium Hydroxide		10%	A	A		A	A		C	C	C	A	A	A	A			A	A	A	
		50%	A	A		A	A		C	C	C	A	A	A				A	A	A	
Potassium Hydroxide		10%	A			A	A		C	C	C	A	A	A				A			
		50%	A						C	C	C	A	A	A				A			
Ammonium Hydroxide		10%				A	A		B	C	C	A	A	A				A			
		50%																A			
ALCOHOLS		Butyl Alcohol (Butanol)	-	A	B		A			A	B				B				A		
		Methyl Alcohol (Methanol)	-	A	B		A	B	C	A	B		A	B	C	B			A	A	
		Ethyl Alcohol (Ethanol)	85%	A	B		A	B		A	B	C	A	A	A				A	A	
		Cyclohexanol	-	A	A								A	A	A				A		
	Ethylene Glycol	-				A	A		A	B	C	A	A	A				A	A	B	
	Isopropyl Alcohol (Isopropanol)	-	A	B		A	A		A	B				A				A			
	Glycolic Alcohol (Glycerol)	-				A	A		A	A								A			
KETONES	Acetone		A	A		A	B		A	C	C	A	A	A	A			A	A		
	Cyclohexanone		A	A		A						A	A	A				A			
	Formaldehyde	37%	B	C	C	A	A					A	A	A				A	A		
	Methyl Ethyl Ketone		A	A		B	B		A	B		A	A	A	A			A	B	C	

REMARKS

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		Conc.	23	60	100	23	60	100	23	60	100	23	60	100	23	60	100	23	60	200		
ESTERS	Ethyl Acetate		A	A		B	B		B	C		A	A	A					A			
	Aliphatic esters																		A	A		
ETHERS	Dioxane		A	B		B	B		A	C		A	A	A					A			
	Ethylene Oxide					A			A										A			
HALOGENATED ORGANIC COMPOSITES	Chloroform		B	C	C	C	C	C	C	C	C	A	B	B					A	A		
	Methylene Chloride		C	C	C	C	C		C	C	C	A	A	A	A				A			
	Perchloroethylene		A			A	C	C	B	C	C	A							A	A		
	Carbon Tetrachloride (wet)		A	A		A	B		A	B		A	A	B					A	A		
	Trichloroethylene		B	C	C	C	C	C	B	C	C	B	B	B	A				A	A		
HYDROCARBONS	Benzene		A	B		A	B		A	C	C	B	B	B					A	A		
	Gasoline (pure)		A	A		A	A	A	A	B	B	A	A	A	A				A			
	Cyclohexane		A	A								A	A	A					A	A		
	Heptane		A	A		A	A		A	A		A	A	A	A				A			
	Brake Fluids		A	A	A	A	A	B	A	A	B				A	A			A	A	A	
	Skydrol								A	A					A	A			A			
	Diesel Fuel		A	A		A	B	B	A	A		A	A	A	A				A			
	Kerosene					A	A		A	A		A	A	A					A			
	Methane (gas)					A			A										A	A	A	
	Mineral Oil		A	A		A	A		A	A		A	A	A					A	A		
	Toluene		A	B		A	B		B	C	C	A	A	A	A				A			
	Xylene		A	B		A	A	A	B	C	C	A	A	A					A			
	INORGANIC CHEMICALS	Nitrogen					A			A			A	A	A					A		
		Sodium Bicarbonate		A	A		A	A					A	A	A					A		
Bromine 10%		10%	C	C	C	C	C	C	C	C	C			C					C	C	C	
Chlorine (wet)			C	C	C	C	C	C	C	C	C		B						C	C	C	
Sodium Chloride 10%		10%	B	B		A	A		A	A	C	A	A	A	A				A	A		
Fluorine						C	C	C	C	C	C								C	C	C	
Iodine (solution)																			B			
Sodium Hypochlorite			B	C	C	C	C	C	B	C	C	A		B	A				A	A		
Oxygen (low pressure)						A													A			
Ozone <5 ppm		<5 ppm	A			C	C	C	A											A	B	
Sodium (hot)																				C	C	C
Copper Sulfate 10%		10%				A	A					A	A	A					A	A		
Sulfur			A						A										A	A		
MISCELLANEOUS		Sea Water		A	A		A	A		A	A	C	A	A	A					A	A	A
	Hydrogen Dioxide (Peroxide) 30%	30%	B	C	C	A	C	C	A	B				B								
	Distilled Water					A	A															
	Aniline		B	B		B	C	C				A	A	A					A	B		
	Phenol (conc.)		C	C	C	C	C	C	C	C	C	A	A	A					C	C	C	

REMARKS

La resistenza chimica è riferita alle resine di base utilizzate per i compound LATI. La reattività del materiale alle diverse sostanze chimiche è fortemente dipendente dalla concentrazione delle sostanze, dalla temperatura ambientale e dal tempo di contatto. Il giudizio positivo o negativo è in funzione dell'importanza data agli effetti che si generano durante il contatto (assorbimento, rigonfiamento, perdita delle proprietà meccaniche e/o del colore, ecc.). Un giudizio negativo (C = scadente resistenza) potrebbe quindi significare totale perdita meccanica o solo un parziale rigonfiamento. Si consiglia pertanto di effettuare sempre test specifici sul pezzo stampato con il materiale prescelto, nelle reali condizioni di impiego. Per qualsiasi progetto si consiglia di prendere contatto con l'Assistenza Tecnica Clienti LATI.

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BY PLANE

The airports of Milan Linate and Malpensa airport offer frequent flights, and an efficient scheduled connection. It's possible use the railway to reach Vedano Olona.



BY CAR

Vedano Olona is about an hour's drive from Milan and thirty minutes from Lugano. The highway used is the A8 (Varese - Milano) the motorway exit is Gazzada, follow the SP 57, SP 233, SP 60, following the signs LATI.



BY TRAIN

Station Vedano Olona located a few minutes walking from the LATI is about an hour's train ride from the station of Cadorna (Trenord) located in Milan. The races are every 30 minutes.

