

CHEMICAL RESISTANCE OF LUMICLEAR™ SHEETS

CHEMICAL	RESISTANCE LEVEL	CHEMICAL	RESISTANCE LEVEL
PAINT		CHEMICAL PROCESS BATHS	
Acrylic paints and lacquers	LR	Electroplating baths	R
Aromatic-free hydrocarbons	R	Photographic baths	R
Nitrocellulose	NR	DISINFECTANTS	
Oil paints, pure	R	Aqueous hypochlorite solution	R
Thinners, general	NR	Bleaching powder, to 5%	R
BUILDING MATERIALS AND PROTECTIVE		Carbolic acid	NR
Bituminous emulsion	NR	Hydrogen peroxide, to 40%	R
Cement	R	Hydrogen peroxide, over 40%	LR
Hot bitumen	LR	Lugol solution	R
Mortar	R	Mercuric chloride	R
Plaster of paris	R	Surgical spirit	NR
Red lead	R	Tincture of Iodine, 5%	NR
PLASTICS		GREASES, OILS, WAXES	
Foams	R	Animal	R
Foams, containing plasticizer	NR	Mineral	R
Polyamide	R	Silicone oil	LR
Polyethylene	R	Vegetable	LR
PVC	R	GASES AND VAPORS	
PVC, plasticized	NR	Ammonia	R
Rubber	R	Bromine vapor (dry)	LR
Rubber, containing plasticizer	NR	Carbon dioxide	R
FOODSTUFFS, SPICES		Carbon monoxide	R
Aniseed, bay, nutmeg	R	Chloride vapor (dry)	LR
Cloves	NR	Exhaust gases, containing HCl	R
Coffee beans, unflavored	R	Exhaust gases, containing HF	R
Coffee beans, flavored	LR	Exhaust gases, containing Sulphu	R
Honey, pure	R	Hydrogen sulphide	R
Ice cream	R	Methane	R
Marinades	R	Nitric oxide	R
Meat and fish	R	Oxygen	R
Pepper, cinnamon, onions	R	Ozone	R
Salt	R	Sulphur dioxide (dry)	R
BEVERAGES, etc.		Natural Gas (Butane)	R
Beer, wine	R	KEY: R: RESISTANT LR: LIMITED RESISTANCE NR: NOT RESISTANT	
Camomile extract	R		
Chocolate	R		
Coffee, tea	R		
Fruit juice, milk, coffee	R		
Spirits, to 30%	R		
Vinegar	R		
Water, mineral waters	R		

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CHEMICALS, SOLVENTS, ETC.		CLEANING AGENTS	
Acetic acid, glacial	NR	Ethyl bromide	NR
Acetic acid, to 25%	LR	Ethyl butyrate	NR
Acetic acid, 5% (vinegar)	R	Ethylene bromide	NR
Acetone	NR	Ferric chloride	R
Alum	R	Ferrous chloride	R
Aluminium chloride	R	Ferrous sulphate	R
Aluminium oxalate	R	Formic acid, to 2%	R
Aluminium sulphate	R	Formic acid, to 40%	LR
Ammonia, aqueous solution	R	Glycerol	R
Ammonium sulphate	R	Glycol	R
Amyl acetate	NR	Heptane	R
Aniline	NR	Hexane	R
Arsenic	R	Hydrochloric acid	R
Arsenic acid	R	Hydrofluoric acid, to 20%	R
Battery acid	R	Hydrogen peroxide, over 40%	LR
Benzaldehyde	NR	Hydrogen peroxide, to 40%	R
Benzene	NR	Iodine	R
Bromine	NR	Isopropyl alcohol, to 50%	LR
Butanol	LR	Lactic acid, to 80%	LR
Butyl lactate	NR	Magnesium chloride	R
Butyric acid, to 5%	R	Magnesium sulphate	R
Calcium chloride	R	Manganese sulphate	R
Calcium hypochlorite	R	Mercury	R
Carbon disulfide	NR	Methanol, absolute	NR
Carbon tetrachloride	NR	Methanol, to 15%	LR
Chlorinated hydrocarbons	NR	Methyl ethyl ketone	NR
Chlorine, liquid	NR	Methylated spirits	NR
Chlorine, water	LR	Milk of lime	R
Chloroethyl acetate	NR	Monobromonaphthalene	R
Chlorophenol	NR	Motor fuel benzene-free	R
Chromic acid	LR	Motor fuel, with benzene	NR
Citric acid, to 20%	R	Nickel sulphate	R
Copper sulphate	R	Nitric acid, to 20%	R
Cresol	NR	Nitric acid, 20 - 70%	LR
Cyclohexane	R	Nitric acid, over 70%	NR
Diacetone alcohol	NR	Oxalic acid	R
Diamyl phthalate	LR	Paraffin	LR
Dibutyl phthalate	NR	Perchloroethylene	NR
Diethylene glycol	R	Petroleum ether	R
Dioxane	NR	Phenols	NR
Ether	NR	Phosphoric acid, to 10%	R
Ethyl acetate	NR	Phosphorus trichloride	NR
Ethyl alcohol, to 15%	R	Phosphorus	NR
Ethyl alcohol, 15-30%	LR	Picric acid, 1% in water	R
Ethyl alcohol, absolute	NR	Potassium dichromate	R

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Potassium carbonate	R	Acids, see under chemicals	
Potassium chloride	R	Alcohol, absolute	NR
Potassium cyanide	R	Alcohol, to 30%	R
Potassium hydroxide	R	Alkalis, see under chemicals	
Potassium nitrate	R	Ammonia	R
Potassium permanganate	R	Carbon tetrachloride	NR
Silicon tetrachloride	NR	Methylated spirits	NR
Silver nitrate	R	Paraffin	LR
Soap solution	R	Perchlorethylene	NR
Soda	R	Petrol, pure	R
Sodium bisulphite	R	Petrol mixture, containing benze	NR
Sodium carbonate	R	Petroleum ether	R
Sodium chlorate	R	Soap solution	R
Sodium chloride	R	Soda solution	R
Sodium hydroxide	R	Solvent stain removers	NR
Sodium hypochlorite	R	Trichloroethylene	NR
Sodium sulphate	R	Turpentine	LR
Sodium sulphide	R	Turpentine substitute	LR
Stearic acid	R		
Sulphur	R	PEST CONTROL AGENTS	
Sulphur dioxide, liquid	NR	Aqueous solutions of pesticides	LR
Sulphuric acid, to 30%	R		
Sulphurous acid, conc.	LR	MISCELLANEOUS	
Sulphurous acid, to 5%	R	Urine	R
Sulphuryl chloride	R		
Tartaric acid, to 50%	R	OTHER	
Thionyl chloride	NR	Nail polish	NR
Toluene	NR	Nail polish remover	NR
Triethylamine	R	Peat water	R
Trichloroacetic acid	NR	Sea water	R
Tricresyl phosphate	R	Soaps	R
Turpentine	LR	Sprays	LR
Turpentine substitute	LR		
Urea, to 20%	R		
Xylene	NR		
Zinc sulphate, aqueous	LR		
Zinc sulphate, solid	R		