

IMPACT & IMPACT S Series Chemical Resistance

Reagent	Grey covers & Transparent plugs (PC)	Reagent	Grey covers & transparent plugs (PC)
Acetic acid	B	Hydrochloric acid	A
Acetone	D	Hydrofluoric acid	
Actaldehyde	D	Hydrogen peroxide	A
Aluminium hydroxide		Iron chloride	
Ammonia		Isooctane	
Ammonium chloride	A	Isopropanol	
Ammonium hydroxide	C	Kerosene	A
Ammonium nitrate		Lactic acid	A
Amyl chloride	D	Methanol	
Aniline	C	Methyl alcohol	A
Banzaldehyde	D	Methyl ethyl ketone	D
Benzene	D	Methyl isobutyl ketone	D
Benzine		Methylamine	
Boric acid	A	Methylene chloride	D
Bromine	B	Nitric acid, 1-10%	A
Bromoform	C	Nitric acid, 40%	B
Butadiene	D	Nitric acid, 65%	C
Butyl acetate	D	Nitrobenzene	D
Butyl alcohol	A	Propanol	
Butyric acid	D	Ozone	
Calcium hydroxide	D	Paraffin, paraffin oil	
Calcium hypochloride	A	Perchloric acid	C
Canola oil	A	Petroleum ether	A
Carbon disulphide	D	Phenol	D
Carbon tetrachloride	D	Phosphoric acid	A
Cellosolve	C	Potassium bichromate	A
Chlorine (in air)	A	Potassium hydroxide	D
Chlorine (moist)	A	Potassium permanganate	A
Chloroform	D	Propane	A
Citric acid	C	Propylene glycol	A
Cresol	D	Silicone oil	
Cyclohexane	C	Silver nitrate	A
Dibutyl phthalate		Sodium carbonate	
Dichlorobenzene	D	Sodium chloride	
Diethyl ether		Sodium hypochloride	A
Diethylene glycol	A	Sodium hydroxide (caustic soda) (10% w/w)	D
Dimethyl formamide		Sodium nitrate	
Diocetyl phthalate		Styrene	
Dioxane	B	Sulphuric acid	A
Ethanol		Tetrachloroethane	
Ethyl acetate	C	Tetrachloroethylene	
Ethyl alcohol	A	Tetrahydrofuran	D
Ethylamine		Trichloroethylene	
Ethyl chloride	D	Tricresyl phosphate	
Ethylene chloride	D	Triethylene glycol	
Ethylene glycol		Toluene	D
Ethylene oxide	D	Trichloroacetic acid	A
Ethyl ether	D	Trichloroethylene	D
Formic acid	D	Turpentine	C
Gasoline	B	Urea	C
Glycerine		Xylene	D
Hexane	A		
A = Excellent; no unfavourable effects after prolonged exposure	B = Good; small loss of structural integrity after prolonged exposure	C = Fair; Borderline acceptable loss of structural properties	D = Not resistant; not suggested for use under these conditions

This chart is to be used as a reference guide only. Connected Switchgear recommends independent testing to verify the selection of any IMPACT or IMPACT S material for use within a specific chemical environment.