

Technical data sheet

Resistance of fibres to various re-agents

Chemical	Concentration %	Temp °C	Nylon	Polyester	Polypropylene
Mineral acids					
Hydrochloric	34	20	D	G	E
Hydrofluoric	10	20	G	G	E
Nitric	66	20	D	G	F
Phosphoric	10	20	G	G	E
Sulphoric	96	70	D	D	P
Suphoric	50	70	D	G	G
Organic acids					
Formic	90	20	D	E	E
Acetic	100	20	G	G	E
Acetic	10	20	G	G	E
Oxalic	5	20	G	G	E
Benzole	3	100	P	G	G
Alkalis					
Sodium hydroxide	40	100	G	D	G
Sodium hydroxide	10	100	E	D	E
Sodium hydroxide	10	20	E	G	E
Sodium hydroxide	1	100	G	P	E
Sodium hydroxide	1	20	E	E	E
Potassium hydroxide	40	20	E	F	E
Ammonium hydroxide	30	20	E	P	E
Bleaching & reducing agents					
Hydrogen peroxide	3	70	E	E	F
Hydrogen peroxide	3	20	E	E	G
Hydrogen peroxide	0 - 5	70	E	E	E
Hydrogen peroxide	0 - 5	20	E	E	E
Sodium hypochlorite	10 pH	20	G	G	G
Sodium hypochlorite	10 pH	70	G	G	P
Organic solvents					
Acetone	100	20	G	G	E
Benzene	100	20	G	G	G
Trichlorethylene	100	20	G	G	F
Carbon tetrachloride	100	20	G	G	G
Methanol	100	20	G	G	E
Chloroform	100	20	G	G	F
Ether	100	20	G	G	F
Miscellaneous re-agents					
Formaldehyde	10	20	G	G	E
Benzaldehyde	100	20	G	G	-
Phenol	100	100	D	D	G
Phenol	5	20	P	G	E
Mineral oil	100	100	G	G	P
Olive oil	100	20	G	G	G
Agent					
Dry heat	-	150	F	E	P
Dry heat	-	100	G	E	F
Moist heat	-	150	F	F	P

Legend	
E	= Excellent - recommended
G	= Good - satisfactory
F	= Fair - only to be used if no other material is satisfactory
P	= Poor - not recommended
D	= Dissolved -dissolved