

## Chemical Resistance Data

**G=Good F=Fair P=Poor N=No**

CHEMICAL	CONCENTRATION %	NYLON 66	POLYESTER PBT	POLYPROPYLENE	PVC
Acetic Acid	100	P	F	G	N
Acetone	100	G	G	G	P
Ammonia Liquid		G	N	G	G
Aniline	100	P	G	G	N
Benzene	100	G	G	N	P
Bleaching Solutions	Dilute	N	G	G	G
Caustic Potash	10	G	G	G	G
Caustic Potash	50	G	P	G	G
Chlorine Water	Saturated	P	N	G	N
Chloroform	100	N	G	G	P
Chromic Acid	10	P	G	G	P
Citric Acid	10	P	G	G	F
Detergent-Soap		G	G	G	G
Ethanol	96	G	G	G	P
Ethylacetate	100	G	G	G	P
Formic Acid	98	N	N	G	F
Fuel Acid		G	G	G	N
Glycerine		G	G	G	G
Hydrochloric Acid	30	N	P	G	G
Lactic Acid	20	P	G	G	F
Methyl Alcohol	100	G	G	G	N
Mineral Oil		G	G	G	G
Nitric Acid	10	N	G	G	F
Nitric Acid	50	N	G	F	F
Oleic Acid	100	G	G	G	F
Oxalic Acid	10	N	G	G	F
Petrol		G	G	F	G
Phosphoric Acid	85	N	G	G	G
Sea Water		G	G	G	G
Sodium Chloride (salt)		G	G	G	G
Sodium Hydroxide	10	G	N	G	G
Sodium Hydroxide	50	G	N	G	G
Sodium Hypochloride	10	N	G	G	G
Stearic Acid	100	P	G	G	G
Sulphuric Acid	10	N	G	G	G
Sulphuric Acid	100	N	N	G	N
Tetrachloroethylene		G	N	N	P
Toluene	100	G	G	N	N
Turpentine	100	G	G	G	G
Vaseline		G	G	G	G
Vegetable Oil		G	G	G	G

The above information is given on the assumption that the temperature of the chemical does not exceed 68° F/20° C

## Properties of Monofilaments

**G=Good F=Fair P=Poor**

Specific Weight	g/cm3	1.14	1.34	0.91	1.40
Melting Point	°C	255	255	168	155
Maximum Working Temperature	°C	100-120	120	70	55
Moisture Absorption	%	2.8	0.30	0.00	0.00
Water Absorption	%	8.5	0.5	0.01	0.0
Tensile Strength Dry	N/mm2	85	55	36	16
Loss of Stiffness (wet)	%	50/60	1.2	1.2	0
Abrasion Resistance		G	F	G	F
Bend Recovery		G	F	F	P
Toxicity		None	None	None	None
Swelling in Water	%	2	0	0	0

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