

PET 75x1000 mm negro

Nº artículo P1003519

1. Ficha técnica

Propiedad	Valor	Unidad	Norma de ensayo
Densidad	1.46	g/cm ³	ISO 1183
Absorción de agua hasta la saturación	0.02	%	ISO 62
Absorción de agua hasta la saturación	0.02	%	ISO 62
Límite de resistencia a la tracción	52	MPa	ISO 527
Módulo de elasticidad (tracción)	3400	MPa	ISO 527-2
Resistencia a la tensión	58	MPa	ISO 527
Deformación a la rotura	5	%	ISO 527-2
Resistencia a la flexión	75.25	MPa	ISO 178
Resistencia al impacto con entalla (Charpy)	90	kJ/m ²	ISO 180
Resistencia al impacto (Charpy)	37	kJ/m ²	ISO 179/1eU
Dureza Shore D	77	° Shore D	ISO 868
Dureza Rockwell	112	M-scale	
Dureza a la presión de bala	166	MPa	ISO 2039
Punto de fusión	224	°C	ISO 3146
Temperatura de servicio máxima (corto plazo)	138.75	°C	UL746B
Temperatura de funcionamiento máxima	97	°C	
Temperatura mínima	-25	°C	
Deformación térmica (HDT/A)	85	°C	ISO 75
Deformación térmica (HDT/B)	100	°C	ISO 75
Temperatura de ablandamiento Vicat (VST/B/50)	219	°C	ISO 306
Conductividad térmica	0.33	W/(m·K)	DIN 52612
Coefficiente de expansión térmica	0.8	10 ⁻⁴ /K	DIN 11359
Fuerza dieléctrica	22	kV/mm	IEC 60243-1
Resistividad volumétrica	10 ¹⁸	Ω·cm	DIN EN 62631-3-1
Constante dieléctrica (1 MHz)	3.3	-	IEC 60250

Propiedad	Valor	Unidad	Norma de ensayo
Factor de pérdida dieléctrica (1 MHz)	0.0	-	IEC 60250
Factor de pérdida dieléctrica (100 Hz)	0.0	-	IEC 60250
Resistencia superficial	10 ¹⁴	Ω	IEC 60093
Índice de seguimiento comparativo (CTI)	600	V	IEC 60112

2. Resistencia química

● Resistente ● Parcialmente resistente ● No resistente

Sustancia química	Concentración	Resist.
1,4-Dioxane	100	●
1,4-Dioxane	100	●
Acetic acid	100	●
Acetic acid	100%	●
Acetic acid	100	●
Acetone	100	●
Acetone	100	●
Ammonia	conc.	●
Ammonia	conc.	●
Apple juice	—	●
Apple juice	—	●
Benzene	—	●
Benzene	—	●
Bleaching solution	—	●
Brake fluid	—	●
Brake fluid	—	●
Butyl acetate	—	●
Butyl acetate	—	●
Calcium chloride	—	●
Calcium chloride	—	●
Carbon disulphide	100	●
Carbon disulphide	100	●
Carbon tetrachloride	—	●
Carbon tetrachloride	—	●

Sustancia química	Concentración	Resist.
Carbon tetrachloride	—	●
Chlorobenzene	100	●
Chlorobenzene	100%	●
Chlorobenzene	100	●
Chloroform	—	●
Chloroform	—	●
Citric acid	10	●
Citric acid	10	●
Diesel	—	●
Diesel	—	●
Diethylene oxide	—	●
Diethylene oxide	—	●
Ethyl acetate	100	●
Ethyl acetate	100	●
Ethyl alcohol (ethanol)	96	●
Ethyl alcohol (ethanol)	96%	●
Ethyl alcohol (ethanol)	96	●
Ethylene chloride	100	●
Ethylene chloride	100	●
Food oil	—	●
Food oil	—	●
Food oil	—	●
Formic acid	10	●
Formic acid	10	●
Frost protection agent	—	●
Frost protection agent	—	●
Fuel oil	—	●
Fuel oil	—	●
Fuel, aromatic free	—	●
Fuel, aromatic free	—	●
Glycerine	100	●
Glycerine	100%	●

Sustancia química	Concentración	Resist.
Glycerine	100	●
Glycol	100	●
Glycol	100	●
Heptane	100	●
Heptane	100	●
Hydrochloric acid	10	●
Hydrochloric acid	10	●
Hydrochloric acid	conc.	●
Hydrochloric acid	conc.	●
Hydrochloric acid (concentrated)	conc.	●
Hydrofluoric acid	40%	●
Hydrofluoric acid	40	●
Hydrofluoric acid	40	●
Hydrogen peroxide	10	●
Hydrogen peroxide	10	●
Hydrogen sulfide, aqueous	—	●
Isopropyl alcohol	100%	●
Isopropyl alcohol	100	●
Isopropyl alcohol	100	●
Linseed oil	—	●
Linseed oil	—	●
Mercurochrome	—	●
Methyl alcohol (methanol)	100	●
Methyl alcohol (methanol)	100	●
Methyl alcohol (methanol)	100%	●
Methyl ethyl ketone (MEK)	100	●
Methyl ethyl ketone (MEK)	100	●
Methylene chloride	100	●
Methylene chloride	100	●
Milk	—	●
Milk	—	●
Mineral oils, aromatic free	—	●

Sustancia química	Concentración	Resist.
Mineral oils, aromatic free	—	●
Nitric acid	10%	●
Nitric acid	50	●
Nitric acid	10	●
Nitric acid	10	●
Nitric acid	50	●
Paraffin oil	100	●
Paraffin oil	100	●
Perchloroethylene	—	●
Perchloroethylene	—	●
Petroleum	100	●
Petroleum	100%	●
Petroleum ether	100	●
Petroleum ether	100	●
Petroleum ether	100%	●
Phenol, aqueous	ca.9	●
Phosphoric acid	50	●
Phosphoric acid	50	●
Potassium hydroxide solution	50	●
Potassium hydroxide solution	50	●
Premium fuel	—	●
Premium fuel	—	●
Propyl alcohol	—	●
Propyl alcohol	—	●
Silicone oil	—	●
Silicone oil	—	●
Sodium carbonate, aqueous	—	●
Sodium carbonate, aqueous	—	●
Sodium chloride, aqueous	—	●
Sodium chloride, aqueous	—	●
Sodium hydrogen sulfite	—	●
Sodium hydrogen sulfite	—	●

Sustancia química	Concentración	Resist.
Sodium hydrogen sulfite	–	●
Sodium hydroxide solution (caustic soda)	15	●
Sodium hydroxide solution (caustic soda)	60	●
Sodium hydroxide solution (caustic soda)	15	●
Sodium hydroxide solution (caustic soda)	60	●
Sodium nitrate, aqueous	–	●
Sodium thiosulfate	–	●
Sulphuric acid	96	●
Sulphuric acid	96	●
Tetrahydrofuran (THF)	100	●
Tetrahydrofuran (THF)	100	●
Toluene	100	●
Toluene	100%	●
Toluene	100	●
Transformer oil	–	●
Transformer oil	–	●
Trichloroethylene	100	●
Trichloroethylene	100	●
Vinegar, standard	5-10	●
Vinegar, standard	5-10%	●
Vinegar, standard	5-10	●
Water	–	●
Water	–	●
Xylene	–	●
Xylene	–	●