



POM C 45/20x1000 mm black

Artikelnr P1005624

1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Density	1.24	g/cm³	ASTM D792
Tensile Strength	51	MPa	DIN EN ISO 527-2
Modulus of elasticity (tensile)	1200	MPa	ASTM D790
Breakdown Voltage	76.5	MPa	ISO 527
Break Elongation	300	%	ASTM D638
Melting point	222	°C	ISO 3146
Maximal operating temperature (short-term)	129	°C	UL746B
Maximum Operating Temperature	90	°C	
Minimum temperature	-46.25	°C	
Heat deflection temperature (HDT/A)	105	°C	ASTM D648
Heat deflection temperature (HDT/B)	155	°C	ISO 75
Vicat softening temperature (VST/B/50)	50	°C	ISO 306
Dielectric Strength	85	kV/mm	IEC 60243-1
Volume Resistivity	10¹¹	Ω·m	IEC 60093
Dielectric Constant (1 MHz)	3.7	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250
Flammability Classification (UL 94)	60695		UL 94
Flexural Strength	58	MPa	ASTM D638
Thermal Conductivity	0.3	W/(m·K)	DIN 52612
Surface Resistivity	10¹¹	Ω·m	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Water absorption to saturation	2.2	%	ASTM D955
Water Absorption to Saturation	0.5	%	ASTM D570
Notched impact strength (Charpy)	6	kJ/m²	DIN EN ISO 179-1
Impact Resistance (Charpy)	19	kJ/m²	ISO 179/1eU

Egenskap	V�rde	Enhet	Standard
Thermal Expansion Coefficient	0.4	10���/K	ISO 11359
Hardness Shore D	83	�� Shore D	ISO 868
Ball pressure hardness	230	MPa	ISO 2039-1

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Kemikalie	Konc.	Resultat
1,4-Dioxane	100%	�
2-Hydroxypropionic acid (lactic acid)	90%	�
Acetic acid	100%	�
Acetone	100%	�
Ammonia	conc.	�
Ammonium chloride	��	�
Amyl alcohol	��	�
Apple juice	��	�
Benzene	��	�
Bleaching solution	12.5 cl	�
Boric acid	100%	�
Brake fluid	��	�
Butyl acetate	��	�
Calcium chloride	��	�
Carbon disulphide	100%	�
Carbon tetrachloride	��	�
Chlorobenzene	100%	�
Chloroform	��	�
Citric acid	10%	�
Cyclohexanone	100%	�
Cyclohexene	100%	�
Diesel	��	�
Diethylene oxide	��	�
Ethyl acetate	100%	�
Ethyl alcohol (ethanol)	96%	�
Food oil	��	�
Formaldehyde, aqueous	40%	�
Formic acid	10%	�

Kemikalie	Konc.	Resultat
Frost protection agent	â€”	●
Fuel oil	â€”	●
Fuel, aromatic free	â€”	●
Glycerine	100%	●
Glycol	100%	●
Heptane	100%	●
Hydrochloric acid	10%	●
Hydrochloric acid (concentrated)	conc.	●
Hydrofluoric acid	40%	●
Hydrogen peroxide	10%	●
Hydrogen sulfide, aqueous	â€”	●
Isopropyl alcohol	100%	●
Linseed oil	â€”	●
Mercurochrome	â€”	●
Methyl alcohol (methanol)	100%	●
Methyl ethyl ketone (MEK)	100%	●
Methylene chloride	100%	●
Milk	â€”	●
Mineral oils (aromatic free)	â€”	●
Nitric acid	10%	●
Nitric acid (50%)	50%	●
Nitrobenzene	â€”	●
Oxalic acid	â€”	●
Ozone (gas)	â‰¤0.5 ppm	●
Paraffin oil	100%	●
Perchloroethylene	â€”	●
Petroleum	100%	●
Petroleum ether	100%	●
Phenol, aqueous	ca. 9%	●
Phosphoric acid	50%	●
Potassium hydroxide solution	50%	●
Premium fuel	â€”	●
Propyl alcohol	â€”	●
Silicone oil	â€”	●

Kemikalie	Konc.	Resultat
Sodium carbonate, aqueous	â€”	●
Sodium chloride, aqueous	â€”	●
Sodium hydrogen sulfite	â€”	●
Sodium hydroxide solution (15%)	15%	●
Sodium hydroxide solution (60%)	60%	●
Sodium nitrate, aqueous	â€”	●
Sulphuric acid	96%	●
Tetrahydrofuran (THF)	100%	●
Toluene	100%	●
Transformer oil	â€”	●
Trichloroethylene	100%	●
Vinegar, standard	5-10%	●
Water	â€”	●
Xylene	â€”	●