POM C 50/30x1000 mm luonnollinen

Artikelnr P1005818

1. Tekniskt datablad

Egenskap	VÃ¤rde	Enhet	Standard
Tiheys	1.24	g/cmÂ³	ASTM D792
Venymisrajan jÃ¤nnitys	51	MPa	DIN EN ISO 527-2
Joustavuusmoduli (vetolujuus)	1200	MPa	ASTM D790
Murtolujuus	76.5	MPa	ISO 527
MurtovenymÃ¤	300	%	ASTM D638
Sulamispiste	222	Â°C	ISO 3146
Maksimaalinen kÃ¤yttÃ¶lÃ¤mpÃ¶tila (lyhytaikainen)	129	Â°C	UL746B
Maksimi kÃ¤yttÃ¶lÃ¤mpÃ¶tila	90	Â°C	
Alin lÃ¤mpÃ¶tila	-46.25	Â°C	
LÃ¤mpÃ¶kÃ¤yrÃ¤ (HDT/A)	105	Â°C	ASTM D648
LÃ¤mpÃ¶kÃ¤yrÃ¤ (HDT/B)	155	Â°C	ISO 75
Vicat-pehmenemislÃ¤mpÃ¶tila (VST/B/50)	50	Â°C	ISO 306
Dielektrinen voimakkuus	85	kV/mm	IEC 60243-1
Tilavuusresistanssi	10Â¹Â²	â„¦	IEC 60093
Dielektrinen vakio (1 MHz)	3.7	-	IEC 60250
Dielektrinen hajoamiskerroin (1 MHz)	0.0	-	IEC 60250
Dielektrinen hajoamiskerroin (100 Hz)	0.0	-	IEC 60250
Paloaluokitus (UL 94)	60695		UL 94
Taivutuslujuus	58	MPa	ASTM D638
LÃ¤mmÃ¶njohtavuus	0.3	W/(mÂ·K)	DIN 52612
Pintaresistanssi	10Â¹Â³	â„¦	IEC 60093
Vertailukulkemisindeksi (CTI)	600	V	IEC 60112
Imeytymisen maksimointi	2.2	%	ASTM D955
Vesihaku kyllÃ¤stymiseen	0.5	%	ASTM D570
SÃ¤rkyÃ¤kesto (Charpy)	6	kJ/mÂ²	DIN EN ISO 179-1
IskunkestÃ¤vyys (Charpy)	19	kJ/mÂ²	ISO 179/1eU
LÃ¤mpÃ¶laajenemiskerroin	0.4	10â»â´/K	ISO 11359

Egenskap	VÃ□rde	Enhet	Standard
Kovuus Shore D	83	Â° Shore D	ISO 868
Kulmapaineen kovuus	230	MPa	ISO 2039-1

2. Kemisk bestÃ¤ndighet

BestÃ□ndig Delvis bestÃ□ndig Ej bestÃ□ndig

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