

# POM C FG 36/17x1000 mm meren sininen

Artikelnr P1007204

Material POM

## 1. Tekniskt datablad

Egenskap	Värde	Enhet	Standard
Tiheys	<b>1.24</b>	g/cm <sup>3</sup>	ASTM D792
Venymisrajan jännitys	<b>51</b>	MPa	DIN EN ISO 527-2
Joustavuusmoduli (vetolujuus)	<b>1200</b>	MPa	ASTM D790
Murtolujuus	<b>76.5</b>	MPa	ISO 527
Murtovenymä	<b>300</b>	%	ASTM D638
Sulamispiste	<b>222</b>	°C	ISO 3146
Maksimaalinen käyttölämpötila (lyhytaikainen)	<b>129</b>	°C	UL746B
Maksimi käyttölämpötila	<b>90</b>	°C	
Alin lämpötila	<b>-46.25</b>	°C	
Lämpökäyrä (HDT/A)	<b>105</b>	°C	ASTM D648
Lämpökäyrä (HDT/B)	<b>155</b>	°C	ISO 75
Vicat-pehmenemislämpötila (VST/B/50)	<b>50</b>	°C	ISO 306
Dielektrinen voimakkuus	<b>85</b>	kV/mm	IEC 60243-1
Tilavuusresistanssi	<b>10<sup>12</sup></b>	Ω	IEC 60093
Dielektrinen vakio (1 MHz)	<b>3.7</b>	-	IEC 60250
Dielektrinen hajoamiskerroin (1 MHz)	<b>0.0</b>	-	IEC 60250
Dielektrinen hajoamiskerroin (100 Hz)	<b>0.0</b>	-	IEC 60250
Paloaluokitus (UL 94)	<b>60695</b>		UL 94
Taivutuslujuus	<b>58</b>	MPa	ASTM D638
Lämmönjohtavuus	<b>0.3</b>	W/(m·K)	DIN 52612
Pintaresistanssi	<b>10<sup>13</sup></b>	Ω	IEC 60093
Vertailukulkemisindeksi (CTI)	<b>600</b>	V	IEC 60112
Imeytymisen maksimointi	<b>2.2</b>	%	ASTM D955
Vesihaku kyllästymiseen	<b>0.5</b>	%	ASTM D570
Särkyäkesto (Charpy)	<b>6</b>	kJ/m <sup>2</sup>	DIN EN ISO 179-1

Egenskap	Värde	Enhet	Standard
Iskunkestävyys (Charpy)	<b>19</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Lämpölaajenemiskerroin	<b>0.4</b>	10 <sup>-4</sup> /K	ISO 11359
Kovuus Shore D	<b>83</b>	° Shore D	ISO 868
Kulmapaineen kovuus	<b>230</b>	MPa	ISO 2039-1

## 2. Kemisk beständighet

● Beständig
 ● Delvis beständig
 ● Ej beständig

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	-	●

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

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