

CENTROPLAST CENTROMID 12 LE soft Polyamide 12 LE soft

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Extrusion/Tubing Grade

Material Notes:

This extruded material is suitable for conveying foodstuffs and pharmaceutical products. It is used in flexible tubes for worm gears and spiral conveyors. Information provided by CENTROPLAST Engineering Plastics GMBH

Order this product through the following link:

http://www.lookpolymers.com/polymer_CENTROPLAST-CENTROMID-12-LE-soft-Polyamide-12-LE-soft.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.60 %	0.60 %	in normal climate 23°C/50%RH; ISO 62
Water Absorption at Saturation	1.1 %	1.1 %	in water at 23°C; ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	v = 5 mm/min; ISO 527-2
Tensile Strength, Yield	20.0 MPa	2900 psi	v = 50 mm/min; ISO 527-2
Elongation at Break	>= 50 %	>= 50 %	ISO 527-2
Tensile Modulus	0.350 GPa	50.8 ksi	ISO 527-2
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	NB	NB	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear	100 µm/m-°C	55.6 µin/in-°F	ISO 11359
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	178 °C	352 °F	10K/min; ISO 3146
Maximum Service Temperature, Air	80.0 - 100 °C	176 - 212 °F	Long Term
	130 °C	266 °F	Short term
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °F	ISO 75-2
Flammability, UL94	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	HB	HB	

Thermal Properties	@Thickness 6.00 mm Metric	@Thickness 0.236 in English	Comments
Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Strength	43.0 kV/mm	1090 kV/in	in transformer oil; IEC 60243-1
Comparative Tracking Index	575 V	575 V	IEC 60112

Descriptive Properties	Value	Comments
Food Compliance	yes	BGVV
	yes	FD A

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China