

## CENTROPLAST CENTROMID 12 soft Polyamide 12 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-soft-Polyamide-12-soft.php](http://www.lookpolymers.com/polymer_CENTROPLAST-CENTROMID-12-soft-Polyamide-12-soft.php)

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	0.50 %	0.50 %	in normal climate 23°C/50%RH; ISO 62
Water Absorption at Saturation	1.0 %	1.0 %	in water at 23°C; ISO 62

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	64.0 MPa	9280 psi	value at 30 sec.; ISO 2039-1
Tensile Strength, Yield	25.0 MPa	3630 psi	v = 50 mm/min; ISO 527-2
Elongation at Break	>= 50 %	>= 50 %	ISO 527-2
Tensile Modulus	0.400 GPa	58.0 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
Melting Point	171 °C	340 °F	10K/min; ISO 3146
Maximum Service Temperature, Air	75.0 °C	167 °F	Long Term
	125 °C	257 °F	Short term
Deflection Temperature at 1.8 MPa (264 psi)	125 - 165 °C	257 - 329 °F	ISO 75-2

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 Constant	3.8	3.8	IEC 60250

Electrical Properties	@Frequency 1e+6 Hz Metric	@Frequency 1e+6 Hz English	Comments
Dielectric Strength	31.0 kV/mm	787 kV/in	in transformer oil; IEC 60243-1
Comparative Tracking Index	575 V	575 V	IEC 60112

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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