

Manifattura Cattaneo PP-s Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

Manifattura Cattaneo products are available in semi-finished forms such as bars, profiles, sheets and plates. Information provided by Manifattura Cattaneo s.p.a.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Manifattura-Cattaneo-PP-s-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.050 % @Temperature 23.0 °C	0.050 % @Temperature 73.4 °F	50% RH; ISO 62
Water Absorption at Saturation	0.10 %	0.10 %	ISO 62

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	DIN 53505
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 527
Elongation at Break	70 %	70 %	ISO 527
Elongation at Yield	8.0 %	8.0 %	ISO 527
Tensile Modulus	1.60 GPa	232 ksi	ISO 527
Compressive Yield Strength	14.0 MPa @Strain 1.00 %	2030 psi @Strain 1.00 %	ISO 604
Charpy Impact Unnotched	NB	NB	ISO 179
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	160 µm/m-°C	88.9 µin/in-°F	ASTM D696
Thermal Conductivity	0.220 W/m-K	1.53 BTU-in/hr-ft ² -°F	DOM 52612
Maximum Service Temperature, Air	100 °C	212 °F	
Vicat Softening Point	87.0 °C	189 °F	ISO 306
Minimum Service Temperature, Air	0.000 °C	32.0 °F	
Flammability, UL94	V-2	V-2	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00\text{e}+18$ ohm-cm	$\geq 1.00\text{e}+18$ ohm-cm	IEC 60093
Surface Resistance	$1.00\text{e}+14$ ohm	$1.00\text{e}+14$ ohm	IEC 60094
Dielectric Constant	2.2	2.2	IEC 60250
	@Frequency $1.00\text{e}+6$ Hz	@Frequency $1.00\text{e}+6$ Hz	
Dielectric Strength	22.0 kV/mm	559 kV/in	IEC 60243
	@Thickness 2.00 mm	@Thickness 0.0787 in	
Dielectric Loss Index	0.0012	0.0012	IEC 60250
	@Frequency $1.00\text{e}+6$ Hz	@Frequency $1.00\text{e}+6$ Hz	

Compliance Properties	Metric	English	Comments
FDA	No	No	

Descriptive Properties	Value	Comments
Color	Natural	
UV Resistance	N	

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