BASF Novolen® 3248 TC Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Easy-flowing grade containing nucleating and antistatic agents for transparent injection molded parts.Data was collected by ISO methods and provided by BASF.

Order this product through the following link:
http://www.lookpolymers.com/polymer_BASF-Novolen-3248-TC-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in³	
Water Absorption	0.10 %	0.10 %	
Moisture Absorption at Equilibrium	0.10 %	0.10 %	
Linear Mold Shrinkage, Flow	0.013 cm/cm	0.013 in/in	
Melt Flow	65 g/10 min @Load 2.16 kg, Temperature 230 °C	65 g/10 min @Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4210 psi	
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	11 %	11 %	
Tensile Modulus	1.15 GPa	167 ksi	
Charpy Impact Unnotched	18.0 J/cm²	85.7 ft-lb/in²	
	1.20 J/cm² @Temperature -30.0 °C	5.71 ft-lb/in² @Temperature -22.0 °F	
Charpy Impact, Notched	0.400 J/cm²	1.90 ft-lb/in²	
	0.130 J/cm² @Temperature -30.0 °C	0.619 ft-lb/in² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	185 µm/m-°C @Temperature 20.0 °C	103 µin/in-°F @Temperature 68.0 °F	
Melting Point	150 °C	302 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	70.0 °C	158 °F	
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	
Vicat Softening Point	72.0 °C	162 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	
Dielectric Constant	2.3 @Frequency 1e+6 Hz	2.3 @Frequency 1e+6 Hz	
Dielectric Strength	140 kV/mm	3560 kV/in	
Dissipation Factor	0.00081 @Frequency 100 Hz	0.00081 @Frequency 100 Hz	
	0.0020 @Frequency 1e+6 Hz	0.0020 @Frequency 1e+6 Hz	
Comparative Tracking Index	600 V	600 V	

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