

Plastcom SLOVALEN PQ 51 N Polypropylene Homopolymer, Modified with Elastomer, Impacted

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Features Homopolymer PP modified with elastomer. The addition of thermoplastic elastomer causes increased toughness, possible alternative to PP copolymers. General application in all industry branches - packing material, garden flower-pots, toys, furniture industry, hinges, fasteners, clamps, office chairs, hangers etc. Delivered in natural and in the full RAL color scale. Application: Injection

Moulding Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PQ-51-N-Polypropylene-Homopolymer-Modified-with-Elastomer-Impacted.php

Physical Properties	Metric	English	Comments
Density	0.880 g/cc	0.0318 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0183 cm/cm	0.0183 in/in	STN 64 0808
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	STN EN ISO 527-2
Elongation at Break	200 %	200 %	STN EN ISO 527-2
Tensile Modulus	1.10 GPa	160 ksi	STN EN ISO 527-2
Flexural Strength	25.0 MPa	3630 psi	STN EN ISO 178
Flexural Modulus	0.900 GPa	131 ksi	STN EN ISO 178
Charpy Impact Unnotched	5.00 J/cm ² @Temperature -20.0 °C	23.8 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.200 J/cm ² @Temperature -20.0 °C	0.952 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.500 J/cm ² @Temperature 23.0 °C	2.38 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Mechanical Properties	Metric	English	Comments
Melting Point	140 °C	284 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	STN EN ISO 75/A
Vicat Softening Point	125 °C	257 °F	B; STN EN ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Injection Pressure	60.0 - 70.0 MPa	8700 - 10200 psi	

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