

Plastcom SLOVALEN PQ 91 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. Shows higher toughness and MFI in comparison with PQ 51 N. 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-91-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	0.019 cm/cm	0.019 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0195 cm/cm	0.0195 in/in	STN 64 0808
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 °C	25 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	STN EN ISO 527-2
Elongation at Break	300 %	300 %	STN EN ISO 527-2
Tensile Modulus	0.900 GPa	131 ksi	STN EN ISO 527-2
Flexural Strength	20.0 MPa	2900 psi	STN EN ISO 178
Flexural Modulus	0.700 GPa	102 ksi	STN EN ISO 178
Charpy Impact Unnotched	7.50 J/cm ² @Temperature -20.0 °C	35.7 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	0.700 J/cm ² @Temperature -20.0 °C	3.33 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	1.00 J/cm ² @Temperature 23.0 °C	4.76 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)	55.0 °C	131 °F	STN EN ISO 75/A
Vicat Softening Point	115 °C	239 °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	

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