

Plastcom SLOVALEN PC 53 N Polypropylene Copolymer, UV Stabilization

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

Material Notes:

FeaturesModified copolymer PP for injection moulding, with the ability of modeling the melt flow rate within the interval 5 - 20 g/10 min.

Can be used for simple small as well as for large complicated mouldings. It is stabilized against the impact of UV radiation by the UV stabilizer on the HALS basis. Application: external use for stadium seats with guaranteed operating life of the mechanical and surface properties. Delivered in the full RAL color scale.Application: Injection MouldingInformation Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PC-53-N-Polypropylene-Copolymer-UV-Stabilization.php

Physical Properties	Metric	English	Comments
Density	0.903 g/cc	0.0326 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.022 cm/cm	0.022 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.025 cm/cm	0.025 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	25.0 MPa	3630 psi	STN EN ISO 527-2
Elongation at Break	200 %	200 %	STN EN ISO 527-2
Tensile Modulus	1.40 GPa	203 ksi	STN EN ISO 527-2
Flexural Strength	40.0 MPa	5800 psi	STN EN ISO 178
Flexural Modulus	1.10 GPa	160 ksi	STN EN ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	STN EN ISO 179
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	STN EN ISO 179
Charpy Impact, Notched	0.400 J/cm ² @Temperature -20.0 °C	1.90 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.700 J/cm ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	STN EN ISO 75/A
Vicat Softening Point	114 °C	237 °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