

Plastcom PLASTALEN® PQ 81 T 20 Polypropylene reinforced with mineral filler, impact modified

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced, Impact Modified

Material Notes:

Modified PP for injection molding with the content of 20% mineral filler. General application in all industry branches. Delivered in black color. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-PLASTALEN-PQ-81-T-20-Polypropylene-reinforced-with-mineral-filler-impact-modified.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	STN EN ISO 1183-1
Filler Content	20 %	20 %	
Linear Mold Shrinkage	0.0102 cm/cm	0.0102 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.0103 cm/cm	0.0103 in/in	STN EN ISO 294-4
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.0 MPa	2180 psi	STN EN ISO 527-2
Elongation at Break	7.0 %	7.0 %	STN EN ISO 527-2
Tensile Modulus	1.50 GPa	218 ksi	STN EN ISO 527-2
Flexural Strength	17.0 MPa	2470 psi	STN EN ISO 178
Flexural Modulus	1.45 GPa	210 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	2.00 J/cm ² @Temperature -20.0 °C	9.52 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	5.20 J/cm ² @Temperature 23.0 °C	24.7 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	125 °C	257 °F	STN EN ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 50.0 °C	104 - 122 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

Descriptive Properties	Value	Comments
Color	Black	

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