

Plastcom PLASTALEN® PQ 81 T 15/1 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 15% mineral filler. Application in automotive industry. Delivered in black grade. 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-151-Polypropylene-reinforced-with-mineral-filler-impact-modified.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	STN EN ISO 1183-1
Filler Content	15 %	15 %	
Linear Mold Shrinkage	0.0111 cm/cm	0.0111 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	STN EN ISO 294-4
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 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	6.0 %	6.0 %	STN EN ISO 527-2
Tensile Modulus	1.10 GPa	160 ksi	STN EN ISO 527-2
Flexural Strength	17.0 MPa	2470 psi	STN EN ISO 178
Flexural Modulus	1.02 GPa	148 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	4.80 J/cm ² @Temperature -20.0 °C	22.8 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	7.50 J/cm ² @Temperature 23.0 °C	35.7 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)	65.0 °C	149 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	115 °C	239 °F	STN EN ISO 306
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 70.0 °C	104 - 158 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.10 %	0.10 %	STN EN ISO 3344
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

Descriptive Properties	Value	Comments
Color	Black	

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