

Plastcom PLASTALEN® PC 69 T 10 003 Polypropylene reinforced with mineral filler

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

Material Notes:

Modified PP copolymer for injection molding with the content of 10% mineral filler. Application in all automotive industry. Delivered in black. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-PLASTALEN-PC-69-T-10-003-Polypropylene-reinforced-with-mineral-filler.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	STN EN ISO 1183-1
Filler Content	10 %	10 %	
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	STN EN ISO 294-4
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	STN EN ISO 527-2
Elongation at Break	4.0 %	4.0 %	STN EN ISO 527-2
Tensile Modulus	1.60 GPa	232 ksi	STN EN ISO 527-2
Flexural Strength	25.0 MPa	3630 psi	STN EN ISO 178
Flexural Modulus	1.05 GPa	152 ksi	STN EN ISO 178
Charpy Impact Unnotched	NB	NB	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.550 J/cm ²	2.62 ft-lb/in ²	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	1.90 J/cm ²	9.04 ft-lb/in ²	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	135 °C	275 °F	STN EN ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 260 °C	446 - 500 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Injection Pressure	50.0 - 120 MPa	7250 - 17400 psi	

Descriptive Properties	Value	Comments
Color	Black	

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