

Borealis PS65T20 Polypropylene Compound, Mineral Filled

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

Material Notes:

PS65T20 is a 20% mineral filled polypropylene compound intended for injection and back injection molding. This material has excellent balanced mechanical properties and high melt flow rate. Applications: PS65T20 has been developed especially for the car industry to be used in automotive interior parts including trunk claddings, and other automotive interior applications. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-PS65T20-Polypropylene-Compound-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	Borealis Method; average process
Melt Flow	23 g/10 min	23 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
	88 g/10 min	88 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 230 °C	@Load 11.0 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	78.0 MPa	11300 psi	358 N/30s; ISO 2039
Tensile Strength, Yield	32.0 MPa	4640 psi	50mm/min; ISO 527-2
Elongation at Yield	4.0 %	4.0 %	50mm/min; ISO 527-2
Flexural Modulus	2.80 GPa	406 ksi	2mm/min; ISO 178
Charpy Impact Unnotched	1.50 J/cm ²	7.14 ft-lb/in ²	ISO 179/1eU
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	4.50 J/cm ²	21.4 ft-lb/in ²	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.120 J/cm ²	0.571 ft-lb/in ²	ISO 179/1eA
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.250 J/cm ²	1.19 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	64.0 °C	147 °F	ISO 75-2
Vicat Softening Point	96.0 °C @Load 5.10 kg	205 °F @Load 11.2 lb	ISO 306
	154 °C @Load 1.02 kg	309 °F @Load 2.25 lb	ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	220 - 260 °C	428 - 500 °F	mass temperature
Feed Temperature	40.0 - 80.0 °C	104 - 176 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Injection Velocity	100 - 200 mm/sec	3.94 - 7.87 in/sec	
Hold Pressure	30.0 - 60.0 MPa	4350 - 8700 psi	

Descriptive Properties	Value	Comments
Back Pressure	low to medium	
Fogging (mg)	0.6	100°C, 16h; DIN 75201
Screw Speed	low to medium	

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