PRET Advanced Materials, LLC

Technical Datasheet

Ver.2020

Material Type PP	**Grade Name** B543HI-G30

Features	• 30% Glass Fiber Filled PP • High Toughness and High Impact Resistance • Good Dimensional Stability
Material Standard	
Availability	North America/Asia-Pacific
Process Method	Injection Molding
Appearance	Colors Optional
Applications	Automotive Interior and Exterior Parts

General Properties

No.	Properties	Methods	Units	Values	Test Conditions
1	Density	ISO 1183-1	g/cm^3	1.14	23℃
2	Filler Content	ISO 3451-1	%	30	(600±25)℃
3	Tensile Strength at Max Load	ISO 527-2	MPa	65	5mm/min
4	Tensile Modulus	ISO 178	MPa	5720	1mm/min
5	Flexural Strength	ISO 178	MPa	85	2mm/min,64mm
6	Flexural Modulus	ISO 178	MPa	4580	2mm/min,64mm
7	Notched Impact Strength	ISO 179-1	kJ/m^2	28	23℃
8	Notched Impact Strength	ISO 179-1	kJ/m^2	14	-20℃
9	Heat Deflection Temp.	ISO 75-2	℃	130	1.8MPa,120℃/h
10	Flammability (Burn Rate)	TL 1010	mm/min	36	

Processing Conditions

Drying Cond.	100℃ * 2-3h	
Molding Temp.	250-220 °C(F), 240-210 °C(M), 220-190 °C(B)	
Injection Speed	Low to Medium	
Injection Pressure	80-130	MPa
Back Pressure	0.3-0.7	MPa
Mold Temp.	50-90	℃
Moisture Control	<0.1%	

Note: The technical data above are authentic and reliable for reference.These value cannot be defined as the minimal performance value.