

Technical Data Sheet

Percom DHG30U WHITE 1.1609



Polypropylene, Homopolymer

Product Description

Percom DHG30U WHITE 1.1609 is a Polypropylene Homopolymer Glass Fiber, 30% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

Processing Method	Injection Molding
Attribute	Homopolymer
Application	Automotive Applications; Flexible Grips
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.5	g/10 min	ISO 1133
Density	1.14	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	5600	MPa	ISO 178
Tensile Stress at Break	93	MPa	ISO 527-2
Impact			
Notched Izod Impact Strength, (23 °C, Type 1, Notch A)	12	kJ/m ²	ISO 180
Hardness			
Shore Hardness, (Shore D)	68		ISO 868
Thermal			
Vicat Softening Temperature, (A (10N), 50 °C/h)	158	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	151	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	123	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
UL Information			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C