

Technical Data Sheet

Percom KHG10 BLK

Polypropylene, Homopolymer

Product Description

Percom KHG10 BLK is a Polypropylene Homopolymer Glass Fiber, 10% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

Processing Method Injection Molding

Attribute Homopolymer

Filler/Reinforcement Glass Fiber, 10%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.0	g/10 min	ISO 1133
Density	0.97	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	60	MPa	ISO 527-2
Tensile Strain at Yield	3.5	%	ISO 527-2
Tensile Modulus	6150	MPa	ISO 527-1
Flexural Stress	48.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C)	8.0	kJ/m ²	ISO 179
(-20 °C)	5.0	kJ/m ²	ISO 179
Notched Izod Impact Strength, (23 °C, Type 1, Notch A)	7.0	kJ/m ²	ISO 180
Hardness			
Ball Pressure Test, (125 °C)	Pass		IEC 60695-10-2
Thermal			
Vicat Softening Temperature, (A (10N), 50 °C/h)	148	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	134	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	112	°C	ISO 75-2/A
Flammable			
Burning Rate	40	mm/min	ISO 3795
(FMVSS 302)	40	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