

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.

Regulatory Status

For regulatory compliance information, see Percom KHG10 BLK [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Limited Issue
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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