

Technical Data Sheet

Percom KHT10 2-0583 BLK

Polypropylene, Homopolymer

Product Description

Percom KHT10 2-0583 BLK is a Polypropylene Homopolymer Talc, 10% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

Processing Method	Injection Molding
Attribute	Homopolymer
Application	Automotive Applications; Housings
Filler/Reinforcement	Talc, 10%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	9.0	g/10 min	ISO 1133
Density	0.98	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	27	MPa	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Impact			
Notched Izod Impact Strength, (23 °C, Type 1, Notch A)	3.0	kJ/m ²	ISO 180
Hardness			
Shore Hardness, (Shore D)	65		ISO 868
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	115	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	82	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
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