

Hostacom HKG743T

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hostacom HKG743T black, 40% glass/ mineral-reinforced polypropylene homopolymer has exceptional stiffness and good dimensional stability. It was designed primarily as a potential replacement for more costly engineering thermoplastics. Typical applications include automotive underhood components, instrument panel substrates, and electronic housings.

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Features	Chemically Coupled		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Moldability		
	High Rigidity		
	Homopolymer		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Automotive Under the Hood		
	Housings		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	76.0	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	5.7	kJ/m ²	
23°C	8.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	141	°C	ISO 75-2/A

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