



Hostacom HKG743T

Compounded Polyolefin

Product Description

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.

Product Characteristics

Test Method used	ISO
Processing Methods	Injection Molding
Features	Chemically Coupled, Homopolymer, Good Impact Resistance , Good Moldability , High Rigidity
Typical Customer Applications	Under-the-Hood & Structural Applications

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	1.22	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	8	g/10 min
<i>Note: Alternative test method is ASTM D 1238-01.</i>			
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	76	MPa
Tensile Strain at Yield	ISO 527-1, -2	3	%
Flexural modulus	ISO 178	7000	MPa
Impact			
Notched izod impact strength	ISO 180		
(23 °C)		8.0	kJ/m ²
(-40 °C)		5.7	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	150	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	141	°C
Additional Information			
Mold shrinkage	ISO 294-4		