



Hostacom GC20H250

Compounded Polyolefin

Product Description

20% glass coupled PP homopolymer. Medium flow, very high stiffness, low CLTE. Low creep under load at elevated temperature.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Latin America
Features	Good Creep Resistance , Medium Flow, Homopolymer, Good Stiffness
Typical Customer Applications	Under-the-Hood & Structural Applications

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	1.04 g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	4.0 g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	4.0 cm³/10min
Mechanical		
Tensile Modulus (Secant)	ISO 527-1, -2	4700 MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	70 MPa
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	3.0 %
Flexural modulus (Secant)	ISO 178	4500 MPa
Impact		
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179	35 kJ/m²
(-30 °C, Type 1, Edgewise)		20 kJ/m²
Unnotched izod impact strength	ISO 180	6 kJ/m²
		23°C kJ/m²
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	160 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	142 °C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	130 °C

Additional Properties

Mould Shrinkage, Basell Test Method: 0.2 to 1.0 % Unnotched Izod Impact Strength (ISO 180) at -30°C : 5 kJ/m²

Notes

Typical properties; not to be construed as specifications.

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- 1 Equistar Chemicals, LP
- 1 Basell Sales & Marketing Company B.V.
- 1 Basell Asia Pacific Limited
- 1 Basell International Trading FZE
- 1 LyondellBasell Australia Pty Ltd

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Users should review the applicable Material Safety Data Sheet before handling the product.

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