

Hostacom M2 N01

Compounded Polyolefin

Product Description

"Hostacom" M2 N01 is a 20% mineral filled PP homopolymer, with low flow, good stiffness.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Latin America
Features	Flow, Low, Homopolymer, Stiffness, Good
Typical Customer Applications	Under-the-Hood Application

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	1.05	g/cm ³
Melt flow rate (MFR) (230°C/5.0kg)	ISO 1133	9.0	g/10 min
Melt volume flow rate (230°C/5.0kg)	ISO 1133	10.0	cm ³ /10min
Mechanical			
Tensile Modulus (Secant)	ISO 527-1, -2	2500	MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	32	MPa
Flexural modulus (Secant)	ISO 178	2700	MPa
Flexural Stress (3.5 %)	ISO 178	45	MPa
Impact			
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179	50	kJ/m ²
(-20 °C, Type 1, Edgewise)		20	kJ/m ²
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	4.0	kJ/m ²
(-20 °C, Type 1, Edgewise, Notch A)		2.0	kJ/m ²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	85	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	120	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	70	°C

Notes

Typical properties; not to be construed as specifications.

Additional Properties

Mould Shrinkage, Basell Test Method: 0.9 to 1.1%
Elongation at Break, ISO 527-1, -2, 50 mm/min: >20%

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Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector

Release Date: 12 Jan 2007