



Hostacom M2 R03

Compounded Polyolefin

Product Description

"Hostacom" M2 R03 is a 20% mineral filled elastomer modified PP copolymer with medium flow, high toughness and good UV resistance. Used for automotive interior trim in particular instrument panels.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Features	Copolymer, Medium Flow, Good Toughness, Good UV Resistance
Typical Customer Applications	Interior Applications, Instrument Panels, Automotive Parts

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	1.05 g/cm ³
Melt flow rate (MFR)	ISO 1133	
(230°C/5.0kg)		18 g/10 min
(230°C/2.16Kg)		3.5 g/10 min
Melt volume flow rate	ISO 1133	
(230°C/5.0kg)		20.5 cm ³ /10min
(230°C/2.16Kg)		4 cm ³ /10min
Mechanical		
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	21 MPa
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	5 %
Flexural modulus (Secant)	ISO 178	1800 MPa
Impact		
Charpy unnotched impact strength	ISO 179	
(23 °C, Type 1, Edgewise)		No Break kJ/m ²
(-30 °C, Type 1, Edgewise)		60 kJ/m ²
Charpy notched impact strength	ISO 179	
(23 °C, Type 1, Edgewise, Notch A)		30 kJ/m ²
(-30 °C, Type 1, Edgewise, Notch A)		5 kJ/m ²
Hardness		
Ball indentation hardness (H 358/30)	ISO 2039-1	50 MPa
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	55 °C

Additional Properties

Mould Shrinkage, Basell Test Method: 0.8 to 1.0 %

Notes

Typical properties; not to be construed as specifications.

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- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
- ┆ Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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