

Hostacom M2 R03

Polypropylene Copolymer

LyondellBasell Industries

Message:

"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.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Copolymer		
	Good Toughness		
	Good UV Resistance		
	Medium Flow		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Automotive Interior Parts		
Appearance	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	3.5	g/10 min	
230°C/5.0 kg	18	g/10 min	
Melt Volume-Flow Rate (MVR)			ISO 1133
230°C/2.16 kg	4.00	cm ³ /10min	
230°C/5.0 kg	20.5	cm ³ /10min	
Molding Shrinkage	0.80 to 1.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	50.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/50
Flexural Modulus - Secant	1800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.0	kJ/m ²	
23°C	30	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU

-30°C	60	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A

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