

Hostacom M4 U02

Polypropylene Homopolymer

LyondellBasell Industries

Message:

"Hostacom" M4 U02 is a 40% mineral filled PP homopolymer with high flow, high stiffness and low warpage. It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Good Stiffness		
	High Flow		
	Homopolymer		
	Low Warpage		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Structural Parts		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	15.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.70 to 0.90	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	92.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	4000	MPa	ISO 527-2
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.5	%	ISO 527-2/50
Flexural Modulus - Secant	4300	MPa	ISO 178
Flexural Stress (3.5% Strain)	52.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.5	kJ/m ²	
23°C	2.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	12	kJ/m ²	
0°C	14	kJ/m ²	
23°C	25	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	125	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A

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