

Hostacom M4 U04 100000

Polypropylene Homopolymer
LyondellBasell Industries

Message:
40% mineral filled grade featuring high stiffness for injection moulding applications. Available as black colour in pellet form.

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	High Stiffness		
	Homopolymer		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Structural Parts		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	78.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	4000	MPa	ISO 527-2
Tensile Stress			ISO 527-2/50
Yield	38.0	MPa	
Break	32.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	3.0	%	
Break	6.0	%	
Flexural Modulus	4300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Complete Break)	3.1	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	27	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	68.0	°C	ISO 75-2/A

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