

Hostacom M4 N01 L303612

Polypropylene Homopolymer

LyondellBasell Industries

Message:

"Hostacom" M4 N01 L303612 is a 37.5 % mineral filled PP homopolymer, high stiffness, good heat and detergent resistance. The product is designed for injection molding of washing machine parts and is available in a light grey color. UL listing in white and grey. It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
UL YellowCard	E31765-230636	E229217-102275532	
Filler / Reinforcement	Mineral,38% Filler by Weight		
Features	Detergent Resistant		
	High Stiffness		
	Homopolymer		
	Medium Heat Resistance		
Uses	White Goods & Small Appliances		
Agency Ratings	UL 94		
Appearance	Light Grey		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	10	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	10.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	90.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	3600	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	4.0	%	
Break	> 5.0	%	
Flexural Modulus - Secant	3800	MPa	ISO 178
Flexural Stress (3.5% Strain)	48.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	1.5	kJ/m²	
23°C	2.6	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	15	kJ/m²	

23°C	26	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
RTI Elec	65.0	°C	UL 746
RTI Imp	65.0	°C	UL 746
RTI Str	65.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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