

Hostacom M4 N01 L255013

Polypropylene Homopolymer

LyondellBasell Industries

Message:

"Hostacom M4 N01 L255013 is a 40% mineral filled polypropylene homopolymer. The product is designed for injection molding of washing machine parts and is available in different white colors. UL listing in white and grey color. It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
UL YellowCard	E31765-230636	E229217-102275532	
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Detergent Resistant		
	Good Thermal Aging Resistance		
	Homopolymer		
	Low Flow		
Uses	White Goods & Small Appliances		
Appearance	White		
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)	11	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	11.0	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	3500	MPa	ISO 527-2
Tensile Stress (Yield)	33.0	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	3.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	15	kJ/m²	
23°C	30	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	72.0	°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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