

Hostacom M4 N01 L201218

Polypropylene Homopolymer

LyondellBasell Industries

Message:

"Hostacom" M4 N01 L201218 is a 40% mineral filled PP homopolymer, detergent resistance. The product is designed for injection molding of washing machine parts and is available in Whirlpool "global white" / color code 90201. 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,40% Filler by Weight		
Features	Detergent Resistant Homopolymer Low Flow Medium Heat Resistance		
Uses	Appliance Components		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	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	cm ³ /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	> 4.0	%	
Flexural Modulus - Secant	3900	MPa	ISO 178
Flexural Stress (3.5% Strain)	50.0	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	2.8	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	15	kJ/m ²	

23°C	28	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			UL 746
1.00 mm	65.0	°C	
1.50 mm	65.0	°C	
3.00 mm	65.0	°C	
RTI Imp			UL 746
1.00 mm	65.0	°C	
1.50 mm	65.0	°C	
3.00 mm	65.0	°C	
RTI Str			UL 746
1.00 mm	65.0	°C	
1.50 mm	65.0	°C	
3.00 mm	65.0	°C	
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.00 mm, GY, WT	HB		
1.50 mm, GY, WT	HB		
3.00 mm, GY, WT	HB		
Additional Information	Nominal Value		
Color Number	90201		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

