

Hostacom G3 U01 L

Polypropylene Homopolymer

LyondellBasell Industries

Message:

"Hostacom" G3 U01 L is a 30% glass fiber reinforced PP homopolymer (coupled)
The product is designed for injection molding of washing machine parts and is available in natural color It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
UL YellowCard	E31765-230621		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
	Detergent Resistant		
	Good Thermal Aging Resistance		
	High Flow		
	Homopolymer		
Uses	Ultra High Stiffness		
	Appliances		
	Fittings		
	Industrial Applications		
Agency Ratings	UL 94		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	15	g/10 min	
230°C/5.0 kg	55	g/10 min	
Melt Volume-Flow Rate (MVR)			ISO 1133
230°C/2.16 kg	15.0	cm ³ /10min	
230°C/5.0 kg	58.0	cm ³ /10min	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	120	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	6800	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	95.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/50
Flexural Modulus - Secant (23°C)	5600	MPa	ISO 178

Flexural Stress (23°C)	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
-20°C	7.5	kJ/m ²	ISO 179/1eA
23°C	8.0	kJ/m ²	ISO 179/1
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	35	kJ/m ²	
23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	155	°C	ISO 75-2/B
1.8 MPa, Unannealed	145	°C	ISO 75-2/A
Vicat Softening Temperature			
--	135	°C	ISO 306/A50
--	165	°C	ISO 306/B50
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, ALL	HB		
1.50 mm, ALL	HB		
3.00 mm, ALL	HB		

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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



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