

Hostacom HYG 343L 356015

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hostacom HYG 343L 356015 is a 40% glass fiber reinforced PP homopolymer, with very high melt flow rate, very good color stability in hot water or steam, very good hot water resistance, very high stiffness and excellent LTHS (long term heat stability). Product is UL listed. Please contact Lyondellbasell for shrinkage recommendations. Relative temperature index Mech w/lmp. The product is also available as a customized color matched, pellet form. This grade is delivered in 356015 color version. This grade is not intended for medical, pharmaceutical, food and drinking water applications.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Super rigidity		
	Homopolymer		
	Good heat aging resistance		
	Good color stability		
	High liquidity		
Uses	Electrical appliances		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.25	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	26 - 36	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	25.0 - 35.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9400	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	114	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, 23°C	2.2	%	ISO 527-2
Fracture	2.5	%	ISO 527-2
Flexural Modulus ¹ (23°C)	9200	MPa	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	8.0	kJ/m ²	ISO 179/1eA
23°C	8.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	45	kJ/m ²	ISO 179/1eU
23°C	47	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/B
Flammability	Nominal Value		Test Method
Flame Rating (3.0 mm)	HB		UL 94
NOTE			
1.	1.0 mm/min		

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