Hostacom HYG 343L 356015

Compounded Polyolefin

Product Description

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/Imp. 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.

Product Characteristics

Status	Commercial
Processing Method	Injection molding
Features	Color stability in hot water or steam, hot water resistance, stiffness, LTHS (long term heat stability).
Typical Customer Applications	Used for appliances and dishwasher parts.

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	ISO 1133	26 - 36	g/10 min
Density (23 °C)	ISO 1183-1/A	1.25	g/cm^3
Melt Volume Rate (230 °C, 2.16 kg)	ISO 1133	25 - 35	cm^3/10 min
Mechanical			
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	9200	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	114	MPa
Tensile Modulus (23 °C)	ISO 527-1, -2	9400	MPa
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	2.2	%
Tens.Strain at Break	ISO 527-1, -2	2.5	%
Impact			
Charpy Impact Strength, unnotched (0 °C)	ISO 179-1/1eU	45	kJ/m^2
Charpy Impact Strength, notched (0 °C)	ISO 179-1/1eA	8	kJ/m^2
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	8.5	kJ/m^2
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	47	kJ/m^2
Thermal			
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	145	°C
Vicat Softening Temperature B (50 N)	ISO 306	135	°C
Other			
Flame Class (3.0 mm)	UL 94	HB	-

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light.
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing.