

Hostacom G4 R01 Black

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hostacom G4 R01 black (not specified) is a 40% glass fiber reinforced PP homopolymer (coupled). It combines excellent stiffness properties with good dimensional stability and low creep under load at elevated temperatures. The product is designed for parts in contact with copper and copper alloy. The grade is available in black color, pellet form.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
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	High tensile strength		
	Homopolymer		
	Good creep resistance		
	Good heat aging resistance		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	9000	MPa	ISO 527-2/1
Tensile Stress (Break)	110	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/50
Flexural Modulus - Secant	8700	MPa	ISO 178
Flexural Stress (3.5% Strain)	153	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/1
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact (-30°C)	8.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, not annealed	160	°C	ISO 75-2/B
1.8 MPa, not annealed	147	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/B50

Additional Information

Product applicable for Cu contact.

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