

Technical Data Sheet

Hostacom G4 R01 BLACK



Polypropylene Compounds

Product Description

Hostacom G4 R01 BLACK is a 40% glass fiber reinforced PP homopolymer, with excellent stiffness, good dimensional stability and good LTHS (long term heat stability). It's especially applicable for parts in contact with copper and copper alloys. The product is available in black color, pellet form.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

Application	Structural Parts; Underhood
Market	Automotive
Processing Method	Injection Molding
Attribute	Excellent Stiffness; Good Dimensional Stability

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	3	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.23	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	8700	MPa	ISO 178/A1
Flexural Strength, (23 °C, Tech. A)	150	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	9000	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	108	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	2.8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	10	kJ/m ²	ISO 179-1/1eA
(-30 °C)	8.5	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	50	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	135	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	160	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	147	°C	ISO 75A-1, -2