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.

Regulatory Status

For regulatory compliance information, see *Hostacom* G4 R01 BLACK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

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

Status	Commercial: Active
Availability	Europe; North America
Application	Structural Parts; Underhood
Market	Automotive
Processing Method	Injection Molding
Attribute	CAE data available: See "Notes"; 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	cm³/10 min	ISO 1133-1
Density, (23 °C)	1.23	g/cm³	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/m²	ISO 179-1/1eA
(-30 °C)	8.5	kJ/m²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	50	kJ/m²	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

Manufacturer website: https://www.lyondellbasell.com/en/

Notes

These are typical property values not to be construed as specification limits.

Availability indicates the region where the material is produced. For importation or demand of a local equivalent grade, please contact our Sales Representatives.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

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

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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