Technical Data Sheet

Hostacom G3 R05 105555

Polypropylene Compounds

Product Description

Hostacom G3 R05 105555 is a 30% glass fiber reinforced PP homopolymer, with excellent stiffness, good dimensional stability and low creep under load at elevated temperatures. The product is available in black color, pellet form. This grade is delivered in 105555 color version.

Regulatory Status

For regulatory compliance information, see *Hostacom* G3 R05 105555 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
Application	Structural Parts
Market	Automotive
Processing Method	Injection Molding
Attribute	Excellent Stiffness; Good Dimensional Stability; Low Creep Under Load at Elevated Temperatures

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	4	cm³/10 min	ISO 1133-1
Density, (23 °C)	1.14	g/cm³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	7200	MPa	ISO 178/A1
Flexural Strength, (23 °C, Tech. A)	145	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	7100	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C)	98	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	3	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	11	kJ/m²	ISO 179-1/1eA
(-30 °C)	8	kJ/m²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	50	kJ/m²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	138	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	160	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	145	°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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