

Technical Data Sheet

**Ferrex GPP30CS49UL-GY**

Polypropylene
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• Latin America • North America
Filler / Reinforcement	• Calcium Carbonate, 30% Filler by Weight
Additive	• UV Stabilizer
Features	• UV Resistant
Appearance	• Grey
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.10	1.10 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10 g/10 min	10 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	2800 psi	19.3 MPa	ASTM D638
Tensile Elongation (Break)	150 %	150 %	ASTM D638
Flexural Modulus - Secant	200000 psi	1380 MPa	ASTM D790
Flexural Strength (73°F (23°C))	5100 psi	35.2 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.0 ft-lb/in	110 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact	270 in-lb	30.5 J	ASTM D3029
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	69	69	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	240 °F	116 °C	
264 psi (1.8 MPa), Unannealed	135 °F	57.2 °C	

Additional Information

Flexural Modulus, ASTM D790, Tangent: 250000 psi

Notes

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

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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