

Ferrex GPP30CS49UL-GY

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
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.