

Schuladur PCR GF 15

Polybutylene Terephthalate + PET

LyondellBasell Industries

Engineering Plastics

Product Description

15% glass fibre reinforced PBT/PET blend.

According to ISO 14021:2016 Schuladur PCR GF15 is a compound containing at least 40% (R40) of recycled material that is fully based on Post-Consumer Waste (PCW).

General

Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Recycled Content	• Yes
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.41 g/cm ³	1.41 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/2.16 Kg)	28 cm ³ /10min	28 cm ³ /10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	914000 psi	6300 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	13600 psi	94.0 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0 %	2.0 %	ISO 527-2/1A/5
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	1.9 ft·lb/in ²	4.0 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	12 ft·lb/in ²	25 kJ/m ²	ISO 179/1eU
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	358 °F	181 °C	ISO 75-2/Af
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·m	> 1.0E+13 ohms·m	IEC 62631-3-1
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	1.2 in/min	30 mm/min	ISO 3795
0.0787 In (2.00 Mm)	1.2 in/min	30 mm/min	FMVSS 302

Additional Information

- 1.) Not for use in food contact applications
- 2.) Not for use in medical or pharmaceutical applications

Notes

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

