Technical Data Sheet

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/cm³	1.41 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°c/2.16 Kg)	28 cm³/10min	28 cm³/10min	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/in²	4.0 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
73°f (23°c)	12 ft·lb/in²	25 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/Af
264 Psi (1.8 Mpa), Unannealed	358 °F	181 °C	
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.