

SCHULADUR® PCR GF 15 K1947

Polybutylene Terephthalate + PET

A. Schulman Europe

Message:

15% glass fibre reinforced PBT/PET blend

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Recycled Content	Yes		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	18.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6700	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	112	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.4	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	18	kJ/m ²	ISO 179/1eU
23°C	25	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	213	°C	ISO 75-2/Bf
1.8 MPa, not annealed	186	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	215	°C	ISO 306/A120
--	194	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms · cm	IEC 60093
Additional Information			

1.)

Not for use in food contact applications2.)

Not for use in medical or pharmaceutical applications

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Recommended distributors for this material

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