

SCHULADUR® PCR GF 15 K2027

Polybutylene Terephthalate + PET

A. Schulman Europe

Message:

PBT/PET blend, 15% glass fibre reinforced

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PBT+PET		
Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	25.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3 sec)	80		ISO 868
Ball Indentation Hardness (H 961/30)	199	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	%	ISO 527-2/1A/5
Flexural Modulus ¹	7500	MPa	ISO 178
Flexural Stress ² (2.0% Strain)	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	1.5	kJ/m ²	ISO 179/1eA
23°C	2.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	26	kJ/m ²	ISO 179/1eU
23°C	22	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	207	°C	ISO 75-2/Bf
1.8 MPa, not annealed	166	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	210	°C	ISO 306/A120
--	193	°C	ISO 306/B50

Additional Information			
1.)			
Not for use in food contact applications2.)			
Not for use in medical or pharmaceutical applications			

NOTE

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| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |

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