

SCHULADUR® A GF 30 HR2

Polybutylene Terephthalate

A. Schulman Europe

Message:

30% glass fibre reinforced, hydrolysis stabilized PBT

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Hydrolysis resistance		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PBT-GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	15.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	95.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	%	ISO 527-2/1A/5
Flexural Modulus ¹	7000	MPa	ISO 178
Flexural Stress ² (4.0% strain)	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m ²	ISO 179/1eA
23°C	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	65	kJ/m ²	ISO 179/1eU
23°C	70	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	7.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Comparative Tracking Index	550	V	IEC 60112
Additional Information			
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications			
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	

Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.050	%
Suggested Max Regrind	20	%
Processing (Melt) Temp	250 - 260	°C
Mold Temperature	70 - 90	°C

NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	

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