

SCHULADUR® A GF 30 HR

Polybutylene Terephthalate

A. Schulman Europe

Message:

30% glass fibre reinforced, hydrolysis stabilized PBT-grade

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Hydrolysis resistance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (280°C/5.0 kg)	11.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8300	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	100	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	8.5	kJ/m ²	ISO 179/1eA
23°C	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	66	kJ/m ²	ISO 179/1eU
23°C	55	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	218	°C	ISO 75-2/Bf
1.8 MPa, not annealed	200	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	215	°C	ISO 306/A50
--	194	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	325	V	IEC 60112
Additional Information			

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

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