

SCHULADUR® A3 GF 30 SF SCHWARZ

Polybutylene Terephthalate + ASA

A. Schulman Europe

Message:

30% glass fibre reinforced PBT/ASA-blend with high surface quality and reduced warpage

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Low warpage		
	Excellent appearance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	18.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	125	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	%	ISO 527-2/1A/5
Flexural Modulus ¹	8500	MPa	ISO 178
Flexural Stress ²	172	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	ISO 179/1eA
23°C	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	35	kJ/m ²	ISO 179/1eU
23°C	40	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			
--	202	°C	ISO 306/A50
--	133	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification	IEC 60695-11-10, -20		

1.50 mm	HB		IEC 60695-11-10, -20
3.00 mm	HB		IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	700	°C	IEC 60695-2-12
3.00 mm	750	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
1.50 mm	725	°C	IEC 60695-2-13
3.00 mm	775	°C	IEC 60695-2-13
Oxygen Index	20	%	ISO 4589-2
Flammability	30	mm/min	FMVSS 302

Additional Information

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

NOTE

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

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