

POLYMAN® FSAN GF 35 K2405

Styrene Acrylonitrile

A. Schulman Europe

Message:

35% glass fibre reinforced SAN grade for parts with high mechanical strength and high dimensional stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	High strength		
Uses	Machine/mechanical parts		
	Doors and Windows		
Processing Method	Extrusion		
	Injection molding		
Resin ID (ISO 1043)	SAN-GF		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR)			ISO 1133
220°C/10.0 kg	7.00	cm ³ /10min	ISO 1133
230°C/3.8 kg	3.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	100	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.3	%	ISO 527-2/1A/5
Flexural Modulus ¹	12000	MPa	ISO 178
Flexural Stress ² (1.7% strain)	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	97.0	°C	ISO 75-2/Af
Vicat Softening Temperature	102	°C	ISO 306/B50
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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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