

POLYMAN® (ABS) FABS 30 GB

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

30% glass bead filled ABS grade

General Information			
Filler / Reinforcement	Glass beads, 30% filler by weight		
Processing Method	Injection molding		
Resin ID (ISO 1043)	ABS-GB		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	10.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	115	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	1.8	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	102	°C	ISO 75-2/Bf
1.8 MPa, not annealed	93.0	°C	ISO 75-2/Af
Vicat Softening Temperature	98.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (1.50 mm)	HB		IEC 60695-11-10, -20
Additional Information			

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

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