

SCHULAMID® 6 GB 30 LS

Polyamide 6
A. Schulman Europe

Message:
30% glass beads reinforced Polyamide 6 with higher stiffness and dimension stability and UV-stabilizer

General Information			
Filler / Reinforcement	Glass beads, 30% filler by weight		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PAM 6 GB 30		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183/A
Viscosity Number (H2SO4 (Sulphuric Acid))	140	cm ³ /g	ISO 307
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 961/30)	187	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4100	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	62.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.5	%	ISO 527-2/1A/5
Flexural Modulus ¹	3500	MPa	ISO 178
Flexural Stress ²			ISO 178
3.5% strain	93.0	MPa	ISO 178
6.0% strain	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.0	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
23°C	55	kJ/m ²	ISO 179/1eU
55°C	40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	181	°C	ISO 75-2/Bf
1.8 MPa, not annealed	65.0	°C	ISO 75-2/Af
Vicat Softening Temperature	197	°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		

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