

SCHULAMID® 6 GF 30 FR2 A LM WEISS

96.0342 LM

Polyamide 6
A. Schulman Europe

Message:
30% glass fibre reinforced flame-retardant Polyamide 6 grade; halogen free

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
	Halogen Free		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA66-GF (FR30+40)		
Physical	Nominal Value	Unit	Test Method
Density	1.61	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12700	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	130	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.5	%	ISO 527-2/1A/5
Flexural Modulus	11900	MPa	ISO 178
Flexural Stress ¹ (2.0% Strain)	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	25	kJ/m ²	
23°C	30	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	200	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	225	°C	ISO 306/A50
--	205	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	375	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Flame Rating			UL 94, IEC 60695-11-10, -20
0.800 mm	V-0		
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
0.750 mm	960	°C	
1.50 mm	960	°C	
3.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.750 mm	750	°C	
1.50 mm	750	°C	
3.00 mm	775	°C	
NOTE			
1.	2.0 mm/min		

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