

SCHULAMID® 6 GBF 3015 FR 2

Polyamide 6

A. Schulman Europe

Message:

30% glass fibre and glass bead reinforced flame retardant PA6 compound, increased strength and dimensional stability; halogenfree; PBDE free, with low warpage

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Strength		
	Halogen Free		
	Low Warpage		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8300	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	110	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.7	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.5	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	40	kJ/m ²	
23°C	46	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	214	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	198	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	215	°C	ISO 306/A120
--	208	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	425	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20

0.750 mm	V-0		
1.50 mm	V-0		
3.00 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	750	°C	
Oxygen Index	35	%	ISO 4589-2

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