

SCHULAMID® 66 GF 15 HI H

Polyamide 66
A. Schulman Europe

Message:
15% glass fibre reinforced and impact modified polyamid 66-compound, heat stabilized.

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Features		Heat Stabilized		
		Impact Modified		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA66-I-GF15-T		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5400	3200	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	95.0	65.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.8	15	%	ISO 527-2/1A/5
Flexural Modulus ¹	4500	--	MPa	ISO 178
Flexural Stress ² (5.0% Strain)	150	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	4.0	--	kJ/m ²	
23°C	10	15	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	35	--	kJ/m ²	
23°C	55	80	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	> 250	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	238	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	> 250	--	°C	ISO 306/A50
--	232	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method

Comparative Tracking Index	350	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	30	--	mm/min	ISO 3795
Flammability Classification				IEC 60695-11-10, -20
1.50 mm	HB	--		
3.00 mm	HB	--		
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	700	--	°C	
3.00 mm	700	--	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
1.50 mm	725	--	°C	
3.00 mm	725	--	°C	
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			

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