

SCHULAMID® 66 GF 30 HI

Polyamide 66
A. Schulman Europe

Message:
30% glass fiber reinforced, impact modified Polyamide 66

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Features		High Impact Resistance		
		Low Temperature Toughness		
		Oil Resistant		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.27	--	g/cm ³	ISO 1183/A
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	195	135	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8600	5600	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	150	100	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	5.5	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	14	--	kJ/m ²	
23°C	20	30	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	70	--	kJ/m ²	
23°C	80	90	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	245	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	> 250	--	°C	ISO 306/A50
--	240	--	°C	ISO 306/B50
Ball Pressure Test (135°C)	Pass	--		IEC 60695-10-2
Electrical	Dry	Conditioned	Unit	Test Method

Surface Resistivity	> 1.0E+15	> 1.0E+12	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	> 1.0E+10	ohms·cm	IEC 60093
Comparative Tracking Index	550	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	< 100	--	mm/min	ISO 3795
Flammability Classification				IEC 60695-11-10, -20
1.50 mm	HB	--		
3.00 mm	HB	--		

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