

SCHULAMID® 66 MW 30 FR 4

Polyamide 66
A. Schulman Europe

Message:
30% mineral filled flame retardant Polyamide 66 grade; without PBDE; low warpage

General Information				
UL YellowCard		E344659-101038373	E86615-466244	
Filler / Reinforcement		Mineral,30% Filler by Weight		
Features		Flame Retardant		
		Low Warpage		
UL File Number		E86615		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.60	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10000	4600	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	100	55.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.8	9.0	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	2.8	--	kJ/m ²	
23°C	3.0	3.5	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	35	--	kJ/m ²	
23°C	35	58	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	245	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	202	--	°C	ISO 75-2/ Af
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index	300	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	< 100	--	mm/min	ISO 3795
Flammability Classification				IEC 60695-11-10, -20
1.50 mm	V-0	--		

0.750 mm	V-2	--		
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	33	--	%	ISO 4589-2

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