

SCHULAMID® 66 GF 25 FR 5

Polyamide 66
A. Schulman Europe

Message:
25% glass fibre reinforced flame retardant polyamide 66 (V-0), halogenated, free of PBDE and antimony oxide

General Information				
UL YellowCard		E86615-100737126		
Filler / Reinforcement		Glass Fiber,25% Filler by Weight		
Features		Flame Retardant		
		Halogenated		
UL File Number		E86615		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA 66 GF 25 (FR16+72)		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.59	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10000	8000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	150	112	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.1	3.0	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	7.0	--	kJ/m ²	
23°C	9.0	12	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	44	--	kJ/m ²	
23°C	52	55	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	232	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	> 250	--	°C	ISO 306/A50
--	229	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (Solution A)	375	--	V	IEC 60112

Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	0.0	--	mm/min	ISO 3795
Flammability Classification				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
0.500 mm	960	--	°C	
0.750 mm	960	--	°C	
1.50 mm	960	--	°C	
3.00 mm	960	--	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
0.500 mm	900	--	°C	
0.750 mm	900	--	°C	
1.50 mm	900	--	°C	
3.00 mm	900	--	°C	
Oxygen Index	34	--	%	ISO 4589-2

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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