

SCHULAMID® 66 MW 30 FR 4 K2031

Polyamide 66
A. Schulman Europe

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

General Information				
Filler / Reinforcement		Mineral,30% Filler by Weight		
Features		Flame Retardant		
		Good Strength		
		Low Warpage		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		10.2010		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.60	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9200	4500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	80.0	40.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	6.0	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	2.0	--	kJ/m ²	
23°C	2.0	2.0	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	12	--	kJ/m ²	
23°C	23	33	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	236	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	153	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	> 250	--	°C	ISO 306/A50
--	239	--	°C	ISO 306/B50
Ball Pressure Test (200°C)	Pass	--		IEC 60695-10-2
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index	300	--	V	IEC 60112

Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate				ISO 3795
0.750 mm, Self-Extinguishing	0.0	--	mm/min	
1.50 mm, Self-Extinguishing	0.0	--	mm/min	
3.00 mm, Self-Extinguishing	0.0	--	mm/min	
Flame Rating				UL 94, IEC 60695-11-10, -20
0.750 mm	V-2	--		
1.50 mm	V-2	--		
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	875	--	°C	
1.50 mm	875	--	°C	
3.00 mm	875	--	°C	
Oxygen Index	33	--	%	ISO 4589-2

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