

SCHULAMID® 6 MKF 3010 HI

Polyamide 6
A. Schulman Europe

Message:
30% glass fiber and mineral reinforced Polyamide 6 with high impact

General Information				
Filler / Reinforcement		Glass\Mineral,30% Filler by Weight		
Features		Good Toughness		
		High Impact Resistance		
		Low Warpage		
		Oil Resistant		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.33	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	4500	3000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	80.0	50.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	6.0	> 20	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	16	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	68	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	210	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	170	--	°C	ISO 75-2/ Af
Vicat Softening Temperature				
--	220	--	°C	ISO 306/A50
--	200	--	°C	ISO 306/B50
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	450	--	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	HB	--	
3.00 mm	HB	--	
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	--	650	°C
3.00 mm	--	650	°C

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