

SCHULAMID® 6 MKF 4015 K2098

Polyamide 6
A. Schulman Europe

Message:
40% glass fiber and mineral reinforced Polyamide 6

General Information				
Filler / Reinforcement		Glass \mineral, 40% filler by weight		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.45	--	g/cm ³	ISO 1183/A
Viscosity Number	140	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6500	3100	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	90.0	45.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.6	4.8	%	ISO 527-2/1A/5
Flexural Modulus ¹	6000	--	MPa	ISO 178
Flexural Stress ² (3.5% Strain)	140	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	3.5	--	kJ/m ²	ISO 179/1eA
23°C	4.0	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	34	--	kJ/m ²	ISO 179/1eU
23°C	35	52	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	210	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	170	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	215	--	°C	ISO 306/A50
--	208	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (Self-Extinguishing)	< 100	--	mm/min	ISO 3795
Additional Information				

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1.)

Not for use in food contact applications2.)

Not for use in medical or pharmaceutical applications

NOTE

1. 2.0 mm/min

2. 2.0 mm/min

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