

SCHULAMID® 6 MBF 6010 H

Polyamide 6
A. Schulman Europe

Message:
60% barium sulfate and glass fiber reinforced, heat stabilized Polyamide 6 with high density

General Information				
Filler / Reinforcement		Glass\Mineral,60% Filler by Weight		
Features		Good Heat Aging Resistance		
		High Density		
		Low Shrinkage		
		Low Warpage		
		Noise Damping		
		Oil Resistant		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.95	--	g/cm ³	ISO 1183/A
Water Absorption (Saturation, 23°C)	1.4	--	%	ISO 62
Viscosity Number	145	--	cm ³ /g	ISO 307
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	200	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8100	4100	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	90.0	50.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.8	7.5	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	5.0	--	kJ/m ²	
23°C	7.0	10	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	40	--	kJ/m ²	
23°C	45	65	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	210	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	185	--	°C	ISO 75-2/Af

Vicat Softening Temperature				
--	200	--	°C	ISO 306/A50
--	215	--	°C	ISO 306/B50

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