

SCHULAMID® 6 GF 30 HI WIT

Polyamide 6

A. Schulman Europe

Message:

30% glass fiber reinforced high impact Polyamide 6, optimized for WIT-processes

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Features		Good Processability		
		Good Stiffness		
		Good Surface Finish		
		Good Toughness		
		Impact Modified		
		Oil Resistant		
Processing Method		Injection Molding		
		Water-Assisted Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.32	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	7400	5000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	115	85.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	10	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	10	--	kJ/m ²	
23°C	14	20	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	70	--	kJ/m ²	
23°C	75	80	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)				
	185	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
	200	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	--	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	> 1.0E+10	ohms · cm	IEC 60093

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