

SCHULAMID® 6 HV 11

Polyamide 6
A. Schulman Europe

Message:
High viscosity Polyamide 6 for extrusion and injection molding

General Information				
Features		Good Toughness		
		High Viscosity		
		Oil Resistant		
Processing Method		Extrusion		
		Injection Molding		
Resin ID (ISO 1043)		PA6		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183/A
Water Absorption (Saturation, 23°C)	2.5	--	%	ISO 62
Viscosity Number	245	--	cm ³ /g	ISO 307
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	130	75.0	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2500	1200	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	75.0	50.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	25	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	60	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	175	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	65.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	212	--	°C	ISO 306/A50
--	196	--	°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	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification				IEC 60695-11-10, -20
0.750 mm	HB	--		
1.50 mm	HB	--		
3.00 mm	HB	--		

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