

SCHULAMID® 6 MV 14

Polyamide 6
A. Schulman Europe

Message:
Medium viscosity Polyamide 6

General Information				
UL YellowCard		E344659-101038370	E86615-252168	
Features		Good Processability		
		Good Toughness		
		Medium Viscosity		
		Oil Resistant		
UL File Number		E86615		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA6		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183/A
Viscosity Number	145	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2900	1100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	80.0	45.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	20	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	10	> 100	%	ISO 527-2/1A/50
Flexural Modulus	2300	--	MPa	ISO 178
Flexural Stress	100	--	MPa	ISO 178
Flexural Strain at Flexural Strength	6.5	--	%	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	5.0	--	kJ/m ²	
23°C	7.0	50	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	--		
23°C	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	170	--	°C	ISO 75-2/Bf

1.8 MPa, Unannealed	60.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	210	--	°C	ISO 306/A50
--	190	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	< 100	--	mm/min	ISO 3795
Flammability Classification				IEC 60695-11-10, -20
1.50 mm	V-2	--		
3.00 mm	V-2	--		
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	--	850	°C	
3.00 mm	--	850	°C	

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