

SCHULAMID® 6 MV 13 F

Polyamide 6
A. Schulman Europe

Message:
medium viscosity PA 6, UL listed

General Information				
UL YellowCard		E86615-456365		
Features		Medium viscosity		
Processing Method		Injection molding		
Part Marking Code (ISO 11469)		>PA6		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183/A
Viscosity Number	140	--	cm ³ /g	ISO 307
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	140	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2900	1100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	85.0	45.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.5	18	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	5.0	5.0	kJ/m ²	ISO 179/1eA
23°C	8.0	35	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	No Break		ISO 179/1eU
23°C	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	185	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	68.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	209	--	°C	ISO 306/A120
--	193	--	°C	ISO 306/B50
Ball Pressure Test (85°C)	Pass	--		IEC 60695-10-2
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
Glow Wire Flammability Index	850	--	°C	IEC 60695-2-12
Injection	Dry	Unit		
Drying Temperature	80		°C	
Drying Time	3.0 - 4.0		hr	
Suggested Max Moisture	0.040 - 0.10		%	
Suggested Max Regrind	20		%	
Processing (Melt) Temp	250 - 270		°C	
Mold Temperature	60 - 90		°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

