

SCHULAMID® 66 MV HI K1416

Polyamide 66
A. Schulman Europe

Message:
Higher impact Polyamide 66

General Information				
Features		High Impact Resistance		
		Low Temperature Toughness		
		Medium Viscosity		
		Oil Resistant		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA66I		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.08	--	g/cm ³	ISO 1183/A
Water Absorption (Saturation, 23°C)	2.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2100	750	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	55.0	40.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	5.5	25	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 40	> 100	%	ISO 527-2/1A/50
Flexural Modulus ¹	1950	--	MPa	ISO 178
Flexural Stress ²	75.0	--	MPa	ISO 178
Flexural Strain at Flexural Strength	7.0	--	%	ISO 176
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	18	--	kJ/m ²	
23°C	65	95	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	140	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	62.0	--	°C	ISO 75-2/ Af

Vicat Softening Temperature				
--	> 250	--	°C	ISO 306/A50
--	210	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	23	--	mm/min	ISO 3795
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	--	650	°C	
3.00 mm	--	650	°C	
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

