

SCHULAMID® B 6 MV

Polyamide 6
A. Schulman Europe

Message:
Unfilled Polyamide 6 - extended specification

General Information				
Features		Medium Viscosity Oil Resistant		
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	140	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3200	1300	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	82.0	45.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.5	18	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	6.0	> 100	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	5.0	--	kJ/m ²	
23°C	7.0	30	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 (1.8 MPa, Unannealed)	62.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	210	--	°C	ISO 306/A50
--	195	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	--	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	--	ohms · cm	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method

Flammability Classification
(1.50 mm)

V-2

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IEC 60695-11-10, -20

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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

