

Technical Data Sheet

# Schulamid 6 MV 14 HI SI

Polyamide 6  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

PA 6, impact modified, easy release

**General**

Additive	• Impact Modifier
Features	• Good Mold Release • Impact Modified
Processing Method	• Injection Molding

**Physical**

	Dry	Conditioned	Unit	Test Method
Density	1.09	--	g/cm <sup>3</sup>	ISO 1183/A

**Mechanical**

	Dry	Conditioned	Unit	Test Method
Tensile Modulus	348000 (2400)	--	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Yield)	8700 (60.0)	--	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	--	%	ISO 527-2/1A/50

**Impact**

	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F (23°C))	7.6 (16)	--	ft·lb/in <sup>2</sup> (kJ/m <sup>2</sup> )	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	--		ISO 179/1eU

**Hardness**

	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	16400 (113)	--	psi (MPa)	ISO 2039-1

**Thermal**

	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	360 (182)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	136 (58.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature	363 (184)	--	°F (°C)	ISO 306/B50

**Electrical**

	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	--	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	1.0E+10	ohms·m	IEC 62631-3-1
Comparative Tracking Index	600	--	V	IEC 60112

**Flammability**

	Dry	Conditioned	Unit	Test Method
Burning Rate				
0.0787 In (2.00 Mm)	< 3.9 (< 100)	--	in/min (mm/min)	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 (< 100)	--	in/min (mm/min)	FMVSS 302
Glow Wire Flammability Index	1200 (650)	--	°F (°C)	IEC 60695-2-12

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Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 518 °F	250 to 270 °C
Mold Temperature	140 to 194 °F	60 to 90 °C

**Notes**

These are typical property values not to be construed as specification limits.