

Technical Data Sheet

# Schulamid 66 MV 3 MO1

Polyamide 66  
LyondellBasell Industries  
Engineering Plastics

**Product Description**  
medium viscosity PA 66 with molybdenum sulfide for tribological applications

General	
Additive	• Molybdenum Disulfide Lubricant
Features	• Medium Viscosity
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm <sup>3</sup>	ISO 1183/A
Viscosity Number	140	--	cm <sup>3</sup> /g	ISO 307

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	551000 (3800)	276000 (1900)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Yield)	13100 (90.0)	10200 (70.0)	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	15	%	ISO 527-2/1A/50

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F (23°C))	3.8 (8.0)	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	No Break		ISO 179/1eU

Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	428 (220)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	194 (90.0)	--	°F (°C)	ISO 75-2/Af

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

Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate <sup>1</sup>				
0.0787 In (2.00 Mm)	0.0	--	in/min (mm/min)	ISO 3795
0.0787 In (2.00 Mm)	0.0	--	in/min (mm/min)	FMVSS 302

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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	518 to 554 °F	270 to 290 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

**Notes**

<sup>1</sup> Self-Extinguishing

**Notes**

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