

Technical Data Sheet

# Schulamid 66 MV AB NATUR

Polyamide 66  
LyondellBasell Industries  
Engineering Plastics

Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm <sup>3</sup>	ISO 1183
Viscosity Number	145	--	cm <sup>3</sup> /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	435000 (3000)	218000 (1500)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress				ISO 527-2/1A/50
Yield	12300 (85.0)	8700 (60.0)	psi (MPa)	
Break, 73°F (23°C)	7980 (55.0)	--	psi (MPa)	
Tensile Strain (Yield)	5.0	20	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break				ISO 527-2/1A/50
73°F (23°C)	25	--	%	
Flexural Modulus <sup>1</sup> (73°F (23°C))	406000 (2800)	--	psi (MPa)	ISO 178
Flexural Stress <sup>2</sup>				ISO 178
6.5% Strain	17400 (120)	--	psi (MPa)	
3.5% Strain	13800 (95.0)	--	psi (MPa)	
12% Strain <sup>3</sup>	16000 (110)	--	psi (MPa)	
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	1.4 (3.0)	--	ft·lb/in <sup>2</sup> (kJ/m <sup>2</sup> )	
73°F (23°C)	2.6 (5.5)	5.7 (12)	ft·lb/in <sup>2</sup> (kJ/m <sup>2</sup> )	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	43 (90)	--	ft·lb/in <sup>2</sup> (kJ/m <sup>2</sup> )	
73°F (23°C)	43 ft·lb/in <sup>2</sup> (90 kJ/m <sup>2</sup> )	No Break	(kJ/m <sup>2</sup> )	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	365 (185)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	158 (70.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	455 (235)	--	°F (°C)	ISO 306/B50
--	> 482 (> 250)	--	°F (°C)	ISO 306/A50

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Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate <sup>4</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

### Notes

<sup>1</sup> Type 1A, 0.079 in/min (2.0 mm/min)

<sup>2</sup> 0.079 in/min (2.0 mm/min)

<sup>3</sup> at break

<sup>4</sup> Self-Extinguishing

### Notes

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