

Technical Data Sheet

Schulamid 66 MV 2

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

Medium viscosity Polyamide 66 - standard grade

General

Features	<ul style="list-style-type: none"> • Good Surface Finish • Medium Viscosity • Oil Resistant
Automotive Specifications	<ul style="list-style-type: none"> • GM QK 002911 Color: 18000 Natural • IMDS ID 5073853 Color: 18000 Natural
UL File Number	<ul style="list-style-type: none"> • E86615
Processing Method	<ul style="list-style-type: none"> • Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183/A
Viscosity Number	140	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	464000 (3200)	189000 (1300)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Yield)	12300 (85.0)	7980 (55.0)	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	5.0	20	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	1.9 (4.0)	--	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	2.9 (6.0)	5.7 (12)	ft·lb/in ² (kJ/m ²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	No Break	--		
73°F (23°C)	No Break	No Break		
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	176 (80.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	464 (240)	--	°F (°C)	ISO 306/B50
--	473 (245)	--	°F (°C)	ISO 306/A50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	> 1.0E+12	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	> 1.0E+10	ohms·m	IEC 62631-3-1

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Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate ¹				
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
Flammability Classification				
0.06 In (1.5 Mm)	V-2	--		IEC 60695-11-10, -20
0.12 In (3.0 Mm)	V-2	--		
Glow Wire Flammability Index				
0.06 In (1.5 Mm)	1560 (850)	--	°F (°C)	IEC 60695-2-12
0.12 In (3.0 Mm)	1560 (850)	--	°F (°C)	

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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

¹ Self-Extinguishing

Notes

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