

Schulamid 66 MNF 2510 H

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

25% mineral and glass fiber reinforced, heat stabilized Polyamide 66

General

Filler / Reinforcement	• Glass\Mineral, 25% Filler by Weight		
Features	• Balanced Stiffness/Toughness • Heat Aging Resistant	• Low Density • Low Warpage	• Oil Resistant
Processing Method	• Injection Molding		

Physical	Dry	Conditioned	Unit	Test Method
Density	1.33	--	g/cm ³	ISO 1183/A
Viscosity Number	140	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.17E+6 (8100)	725000 (5000)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	18100 (125)	10200 (70.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	7.0	%	ISO 527-2/1A/5
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)	2.4 (5.0)	3.3 (7.0)	ft·lb/in ² (kJ/m ²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	17 (35)	--	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	19 (40)	26 (55)	ft·lb/in ² (kJ/m ²)	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	> 482 (> 250)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	460 (238)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	473 (245)	--	°F (°C)	ISO 306/B50
--	> 482 (> 250)	--	°F (°C)	ISO 306/A50





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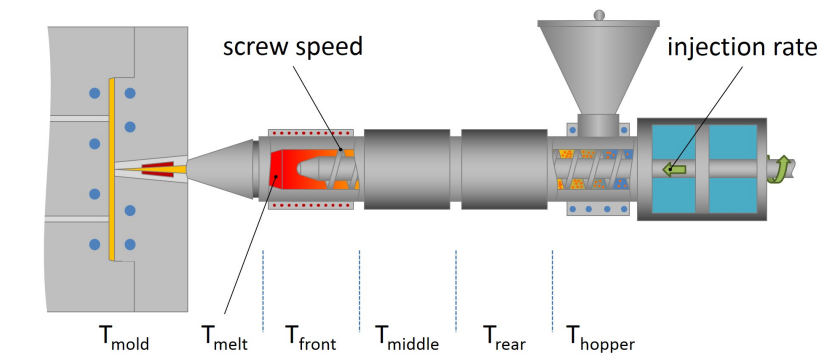
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Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate				
0.0787 In (2.00 Mm)	1.6 (40)	--	in/min (mm/min)	ISO 3795
0.0787 In (2.00 Mm)	1.6 (40)	--	in/min (mm/min)	FMVSS 302
Flammability Classification				IEC 60695-11-10, -20
0.06 In (1.5 Mm)	HB	--		
0.12 In (3.0 Mm)	HB	--		



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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	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

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

