Technical Data Sheet

Schulamid 66 MT 15 HI

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description
15% mineral reinforced PA66, impact modified

General	
Filler / Reinforcement	• Mineral, 15% Filler by Weight
Features	• Impact Modified
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.26	--	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR)	64	--	cm³/10min	ISO 1133
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	421000 (2900)	174000 (1200)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Yield)	9280 (64.0)	6530 (45.0)	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	130	31	%	ISO 527-2/1A/50
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-22°f (-30°c)	3.3 (7.0)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	6.7 (14)	12 (25)	ft·lb/in² (kJ/m²)	
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	392 (200)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	158 (70.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature	446 (230)	--	°F (°C)	ISO 306/B50
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

Additional Information
1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

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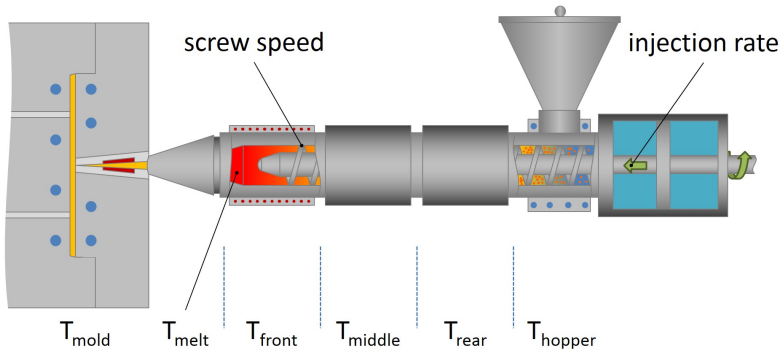

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

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