

Technical Data Sheet

Schulamid 66 MK 30 HI H K1357 GRAU 967370

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

30% mineral filled PA 66, impact modified, heat stabilized

General

Filler / Reinforcement	• Mineral, 40% Filler by Weight	
Additive	• Heat Stabilizer	• Impact Modifier
Features	• Heat Stabilized	• Impact Modified
Processing Method	• Injection Molding	
Part Marking Code (ISO 11469)	• >PA66-M<	

Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183/A
Water Absorption				ISO 62
Equilibrium, 73°F (23°C), 50% Rh	2.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	464000 (3200)	145000 (1000)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	8700 (60.0)	5510 (38.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	12	> 50	%	ISO 527-2/1A/5
Flexural Modulus	464000 (3200)	--	psi (MPa)	ISO 178
Flexural Stress	13300 (92.0)	--	psi (MPa)	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	2.9 (6.0)	--	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	4.8 (10)	5.7 (12)	ft·lb/in ² (kJ/m ²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	43 (90)	--	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	239 (115)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	144 (62.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	392 (200)	--	°F (°C)	ISO 306/B50
--	464 (240)	--	°F (°C)	ISO 306/A50

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Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index				IEC 60112
0.118 In (3.00 Mm)	450	--	V	
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
Flammability Classification				IEC 60695-11-10, -20
0.06 In (1.5 Mm)	HB	--		
0.12 In (3.0 Mm)	HB	--		
Glow Wire Flammability Index				IEC 60695-2-12
0.06 In (1.5 Mm)	1290 (700)	--	°F (°C)	
0.12 In (3.0 Mm)	1340 (725)	--	°F (°C)	
Glow Wire Ignition Temperature				IEC 60695-2-13
0.06 In (1.5 Mm)	1340 (725)	--	°F (°C)	
0.12 In (3.0 Mm)	1340 (725)	--	°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	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.