

Technical Data Sheet

# Schulamid 6 MKF 3010 H K1956

Polyamide 6  
LyondellBasell Industries  
Engineering Plastics

**Product Description**  
30% glass fiber and mineral reinforced PA 6, heat stabilized, high strength, low warpage

General			
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized	• High Strength	• Low Warpage
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.38 g/cm <sup>3</sup>	1.38 g/cm <sup>3</sup>	ISO 1183/A
Viscosity Number	145 cm <sup>3</sup> /g	145 cm <sup>3</sup> /g	ISO 307

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	1.23E+6 psi	8500 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	16000 psi	110 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2/1A/5

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	1.9 ft·lb/in <sup>2</sup>	4.0 kJ/m <sup>2</sup>	
73°F (23°C)	2.9 ft·lb/in <sup>2</sup>	6.0 kJ/m <sup>2</sup>	

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness (H 358/30)	29000 psi	200 MPa	ISO 2039-1

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	419 °F	215 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	365 °F	185 °C	ISO 75-2/ Af
Vicat Softening Temperature			
--	401 °F	205 °C	ISO 306/B50
--	419 °F	215 °C	ISO 306/A120

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·m	> 1.0E+13 ohms·m	IEC 62631-3-1

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302

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Injection	Nominal Value (English)	Nominal Value (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	482 to 536 °F	250 to 280 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

**Notes**

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