

Technical Data Sheet



Schulamid 6 GF 15 H K1432 BLACK 96.8148

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description

15% glass fiber reinforced PA 6, heat stabilized

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Automotive Specifications	• FORD WSK-M4D665-A2
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.24	--	g/cm ³	ISO 1183/A
Water Absorption				ISO 62
Equilibrium, 73°F (23°C), 50% RH	2.3	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	783000 (5400)	450000 (3100)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	14500 (100)	7980 (55.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	2.3	23	%	ISO 527-2/1A/5
Flexural Modulus	653000 (4500)	--	psi (MPa)	ISO 178
Flexural Stress	23200 (160)	--	psi (MPa)	ISO 178
Flexural Strain at Flexural Strength	4.8	--	%	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	13 (28)	--	ft-lb/in ² (kJ/m ²)	
73°F (23°C)	14 ft-lb/in ² (30 kJ/m ²)	No Break	(kJ/m ²)	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 psi (0.45 MPa), Unannealed	414 (212)	--	°F (°C)	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	381 (194)	--	°F (°C)	ISO 75-2/Af
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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Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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