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	
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/cm³	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/in² (kJ/m²)	
73°f (23°c)	14 ft·lb/in² (30 kJ/m²)	No Break	(kJ/m²)	
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