Technical Data Sheet

LyondellBasell

Schulamid 6 GBF 3015 FC

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description	
30% glass fibre and glass bead reinforced PA 6, high strength, low warpage for food contact applications	

General		
Material Status	• Commercial: Active	
Availability	• Europe	
Filler / Reinforcement	• Glass Bead\Glass Fiber, 30% Filler by Weight	
Features	• High Strength	• Low Warpage
UL File Number	• E86615	
Processing Method	• Injection Molding	
Part Marking Code (ISO 11469)	• >PA6-(GB15+GF15)<	

Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm³	ISO 1183/A
Viscosity Number	145	--	cm³/g	ISO 307
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	870000 (6000)	435000 (3000)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	17400 (120)	8700 (60.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	10	%	ISO 527-2/1A/5
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	2.4 (5.0)	4.8 (10)	ft·lb/in² (kJ/m²)	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
73°F (23°C)	21 (45)	38 (80)	ft·lb/in² (kJ/m²)	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ISO 75-2/Af
264 psi (1.8 MPa), Unannealed	374 (190)	--	°F (°C)	
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	--		

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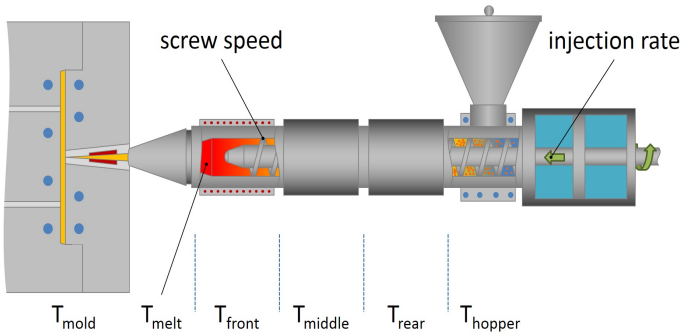

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 536 °F	250 to 280 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

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

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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