SCHULAMID® 6 GF 15 FR 4 K1681

PA6-GF15 FR(17+30) LyondellBasell Industries

Product Texts

15% glass fibre reinforced flame retardant PA-6 grade; incandescent wire test without flame; without PBDE; GWIT 800°C

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**7100 / 4000**	MPa	ISO 527
[C] Stress at break	**117 / 71**	MPa	ISO 527
[C] Strain at break	**3.5 / 8.5**	%	ISO 527
[C] Charpy impact strength, +23°C	**60 / 70**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**55 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**7 / 14**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**6 / -**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**203 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**223 / ***	°C	ISO 75-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**V-2 / ***	class	IEC 60695-11-10
[C] Burning Behav. at thickness h	**V-2 / ***	class	IEC 60695-11-10
Thickness tested	**3.0 / ***	mm	-
Yellow Card available	**yes / ***	-	-
[C] Oxygen index	**26 / ***	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**1E11 / 1E8**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	*** / >1E15**	Ohm	IEC 62631-3-2
[C] Comparative tracking index	**275 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1380 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Viscosity number	**145 / ***	cm³/g	ISO 307, 1157, 1628

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 6**	h	-
Melt temperature	**230 - 240**	°C	-
Mold temperature	**60 - 90**	°C	-

Characteristics

Processing

Injection Molding, Blow Molding

Special Characteristics

Flame retardant

Delivery form
Granules

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information

Injection molding
PREPROCESSING; **Pretreatment**
Predrying: 4-6h / 80°C

PROCESSING ;**Processing:**

Melttemperature	230 - 240	°C
Mouldtemperature	60 - 90	°C