SCHULAMID® 6 GF 30 HI K1871

PA6-GF30 LyondellBasell Industries

Product Texts

30% glass fibre reinforced PA 6 grade with increased impact; customer related compound

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**8300 / 5000**	MPa	ISO 527
[C] Stress at break	**135 / 85**	MPa	ISO 527
[C] Strain at break	**4 / 9**	%	ISO 527
[C] Charpy impact strength, +23°C	**85 / 95**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**78 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**18 / 30**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**12 / -**	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	**200 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**215 / ***	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**205 / ***	°C	ISO 306
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.5 / ***	mm	-
Yellow Card available	**yes / ***	-	-
[C] Burning Behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**3.0 / ***	mm	-
Yellow Card available	**yes / ***	-	-
[C] Burning rate, FMVSS, Thickness 1 mm	**100**	mm/min	ISO 3795 (FMVSS 302)

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**>1E13 / -**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	*** / >1E15**	Ohm	IEC 62631-3-2
[C] Comparative tracking index	**550 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**1.9 / ***	%	Sim. to ISO 62
[C] Density	**1310 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 6**	h	-
Melt temperature	**250 - 280**	°C	-
Mold temperature	**60 - 90**	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
High impact or impact modified

Delivery form
Granules

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

Additives

Release agent, Plasticizer

Other text information

Injection molding

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

PROCESSING ;**Processing:**

Melttemperature	250 - 280	°C
Mouldtemperature	60 - 90	°C