SCHULAMID® 66 GF 30 HI

PA66-GF30 LyondellBasell Industries

Product Texts

30% glass fibre reinforced high impact PA 66

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**8600 / 5600**	MPa	ISO 527
[C] Stress at break	**150 / 100**	MPa	ISO 527
[C] Strain at break	**3.5 / 5.5**	%	ISO 527
[C] Charpy impact strength, +23°C	**80 / 90**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**70 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**20 / 30**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**14 / -**	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	**245 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**250 / ***	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**240 / ***	°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]: 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	**550 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1270 / -**	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	**280 - 300**	°C	-
Mold temperature	**60 - 100**	°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

Other text information

Injection molding

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

PROCESSING ;**Processing:**

Melttemperature	280 - 300	°C
Mouldtemperature	60 - 100	°C