SCHULAMID® 66 GF 25 FR 5 A

PA66-GF25 LyondellBasell Industries

Product Texts

25% glass fibre reinforced PA 66 with halogenous flame retardant agent; without PBDE and antimony trioxide; GWIT 850°C

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**10300 / 8000**	MPa	ISO 527
[C] Stress at break	**146 / 112**	MPa	ISO 527
[C] Strain at break	**2.2 / 3**	%	ISO 527
[C] Charpy impact strength, +23°C	**52 / 55**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**52 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**10 / 12**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**10 / -**	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	**240 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**250 / ***	°C	ISO 75-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**V-0 / ***	class	IEC 60695-11-10
Thickness tested	**1.5 / ***	mm	-
Yellow Card available	**yes / ***	-	-
[C] Burning Behav. at thickness h	**V-0 / ***	class	IEC 60695-11-10
Thickness tested	**0.5 / ***	mm	-
Yellow Card available	**yes / ***	-	-
[C] Burning Behav. 5V at thickness h	**5VA / ***	class	IEC 60695-11-20
Thickness tested	**3.0 / ***	mm	-
Yellow Card available	**yes / ***	-	-
[C] Oxygen index	**34 / ***	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**>1E13 / 1.8E11**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	*** / 4.7E14**	Ohm	IEC 62631-3-2
[C] Comparative tracking index	**400 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1590 / -**	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	**270 - 300**	°C	-
Mold temperature	**60 - 90**	°C	-

Characteristics

Processing	Special Characteristics
Injection Molding	Flame retardant

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Delivery form
Granules

Additives
Release agent

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	270 - 300	°C
Mouldtemperature	60 - 90	°C

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