SCHULAMID® 6 MV 14 FR 4 K1681

PA6 LyondellBasell Industries

Product Texts

Flame retardant PA 6 grade (V-2); incandescent wire test without flame; GWIT at 825°C; without PBDE

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**3800 / 1250**	MPa	ISO 527
[C] Yield stress	**70 / 35**	MPa	ISO 527
[C] Yield strain	**3 / 24**	%	ISO 527
[C] Charpy impact strength, +23°C	**49 / N**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**48 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**4 / 18**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**3 / -**	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	**76 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**186 / ***	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**202 / ***	°C	ISO 306
[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	**23 / ***	%	ISO 4589-1/-2
ASTM Data			
UL 94 Flame rating	**V-2**	-	UL 94
Thickness tested	**1.5**	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Comparative tracking index	**300 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1260 / -**	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

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	230 - 240	°C
Mouldtemperature	60 - 90	°C