

Product Texts

30% glass fibre and glass bead reinforced PA 66 with high mechanical strength and dimensional stability

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	7600 / 4400	MPa	ISO 527
^[C] Stress at break	130 / 80	MPa	ISO 527
^[C] Strain at break	3 / 10	%	ISO 527
^[C] Charpy impact strength, +23°C	40 / 60	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	35 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	14 / 18	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	6 / -	kJ/m ²	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	245 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	235 / *	°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)

ASTM Data

UL 94 Flame rating	HB	-	UL 94
Thickness tested	3.2	mm	-

[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	450 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	2 / *	%	Sim. to ISO 62
^[C] Density	1350 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Viscosity number	145 / *	cm ³ /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	280 - 310	°C	-
Mold temperature	60 - 100	°C	-

Characteristics**Processing**

Injection Molding

Additives

Release agent

Delivery form

Granules

Regional AvailabilityNorth 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 - 310	°C
Mouldtemperature	60 - 100	°C