

Product Texts

35% glass fibre reinforced heat stabilized PA 66

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	11000 / 7200	MPa	ISO 527
^[C] Stress at break	190 / 125	MPa	ISO 527
^[C] Strain at break	3 / 6	%	ISO 527
^[C] Charpy impact strength, +23°C	80 / 95	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	50 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	12 / 20	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	10 / -	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Break	172 / -	MPa	ASTM D 638
Elongation at Break	5 / -	%	ASTM D 638
Flexural Modulus	9928 / -	MPa	ASTM D 790
Flexural Strength	228 / -	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64.1 / -	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	246 / *	°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	250 / *	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
ASTM Data			
DTUL @ 66 psi	253	°C	ASTM D 648
DTUL @ 264 psi	239	°C	ASTM D 648

[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]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1400 / -	kg/m ³	ISO 1183
Density	1410	kg/m ³	ASTM D 792

[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	290 - 310	°C	-

Mold temperature

60 - 100

°C

-

Characteristics**Processing**

Injection Molding

Delivery form

Granules

Additives

Release agent

Special Characteristics

Heat stabilized or stable to heat

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

290 - 310

°C

Mouldtemperature

60 - 100

°C