

**Product Texts**

15% glass fibre reinforced heat stabilized PA 66

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	6200 / 3600	MPa	ISO 527
<sup>[C]</sup> Stress at break	120 / 75	MPa	ISO 527
<sup>[C]</sup> Strain at break	3 / 12	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	30 / 70	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	28 / -	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	6 / 9	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Strength at Break	119 / -	MPa	ASTM D 638
Elongation at Break	3.5 / -	%	ASTM D 638
Flexural Modulus	5792 / -	MPa	ASTM D 790
Flexural Strength	165 / -	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64.1 / -	J/m	ASTM D 256
<sup>[C]</sup> : CAMPUS			
<b>Thermal properties</b>			
	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	235 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	250 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	245 / *	°C	ISO 306
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-
<sup>[C]</sup> Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Yellow Card available	yes / *	-	-
<sup>[C]</sup> Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
<b>ASTM Data</b>			
DTUL @ 66 psi	250	°C	ASTM D 648
DTUL @ 264 psi	246	°C	ASTM D 648
<sup>[C]</sup> : CAMPUS			
<b>Electrical properties</b>			
	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	1E11 / 1E8	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	* / >1E15	Ohm	IEC 62631-3-2
<sup>[C]</sup> Comparative tracking index	450 / -	-	IEC 60112
<sup>[C]</sup> : CAMPUS			
<b>Other properties</b>			
	dry / cond	Unit	Test Standard
<sup>[C]</sup> Humidity absorption	2.2 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1230 / -	kg/m <sup>3</sup>	ISO 1183
Density	1270	kg/m <sup>3</sup>	ASTM D 792
<sup>[C]</sup> : CAMPUS			

Material specific properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Viscosity number	140 / *	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	280 - 300	°C	-
Mold temperature	60 - 100	°C	-

**Characteristics**

**Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Delivery form**

Granules

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

**Additives**

Release agent

**Other text information**

**Injection molding**

PREPROCESSING; Pretreatment

Predrying: 4-6h / 80°C

PROCESSING ; **Processing:**

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