

**Tislamid® B 50D03D11 R02**

PA66-(GF+CF)50

Tisan Engineering Plastics Co.Ltd.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>19000</b>	MPa	ISO 527
Stress at break	<b>220</b>	MPa	ISO 527
Strain at break	<b>2</b>	%	ISO 527
Izod notched impact strength, +23°C	<b>12</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>263</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>255</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6</b>	mm	-
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>1000</b>	Ohm*m	IEC 62631-3-1

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1530</b>	kg/m <sup>3</sup>	ISO 1183
Moisture Content	<b>0.2</b>	%	-

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>90 - 100</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.2</b>	%	-
Melt temperature	<b>260 - 290</b>	°C	-
Mold temperature	<b>70 - 110</b>	°C	-
Zone 1	<b>260 - 280</b>	°C	-
Zone 2	<b>260 - 280</b>	°C	-
Zone 3	<b>260 - 280</b>	°C	-
Nozzle temperature	<b>250 - 270</b>	°C	-
Back pressure	<b>50 - 100</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Regional Availability**

Europe, Near East/Africa