

**Product Texts**

Injection Molding, Heat Stabilized

ISO 18064 TPC-ET

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	<b>32</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	<b>1.6</b>	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	<b>1.8</b>	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Charpy impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Tensile notched impact strength, +23°C	<b>179</b>	kJ/m <sup>2</sup>	ISO 8256/1
<sup>[C]</sup> Stress at 10% elongation	<b>4</b>	MPa	ISO 527
<sup>[C]</sup> Stress at 100% elongation	<b>8</b>	MPa	ISO 527
<sup>[C]</sup> Stress at 300% elongation	<b>11.8</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break TPE	<b>14</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break TPE	<b>&gt;300</b>	%	ISO 527

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	<b>212</b>	°C	ISO 11357-1/-3
<sup>[C]</sup> Glass transition temperature, 10°C/min	<b>-60</b>	°C	ISO 11357-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	<b>150</b>	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	<b>150</b>	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	<b>4.7</b>	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	<b>4.4</b>	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	<b>310</b>	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	<b>810</b>	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	<b>1E12</b>	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Electric strength	<b>20</b>	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	<b>600</b>	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	<b>7</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>0.4</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1160</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific

**Other text information****Injection molding**[Injection Molding Recommendations](#)[Steel recommendations for molds screws and barrels](#)[Trouble shooting guideline for injection molding](#)