

**Product Texts**

Extrusion Grade, 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	3.7	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	12	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Stress at 10% elongation	17	MPa	ISO 527
<sup>[C]</sup> Stress at 100% elongation	21	MPa	ISO 527
<sup>[C]</sup> Stress at break TPE	27	MPa	ISO 527

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	212	°C	ISO 11357-1/-3
<sup>[C]</sup> Vicat softening temperature, B	125	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	150	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	150	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 1MHz	4.1	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	170	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	1.2E11	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Electric strength	22	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	600	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	0.63	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	0.18	%	Sim. to ISO 62
<sup>[C]</sup> Density	1240	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Injection Molding, melt temperature	240	°C	ISO 294
Injection Molding, mold temperature	35	°C	ISO 294
Injection Molding, injection velocity	500	mm/s	ISO 294

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding, Other Extrusion

**Special Characteristics**

Heat stabilized or stable to heat

**Delivery form**

Pellets

**Regional Availability**

Europe

**Additives**

Release agent

**Other text information****Injection molding**[Steel recommendations for molds screws and barrels](#)[Trouble shooting guideline for injection molding](#)**Other extrusion**[Arnitel® E & P tube manufacturing guidelines](#)[Arnitel® Recommendations for Extrusion](#)