

**Product Texts**

Extrusion Grade

ISO 18064 TPC-ET

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	6.5	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> Yield stress	20	MPa	ISO 527
<sup>[C]</sup> Yield strain	29	%	ISO 527
<sup>[C]</sup> Nominal strain at break	>50	%	ISO 527
<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	15.9	MPa	ISO 527
<sup>[C]</sup> Stress at 100% elongation	15.8	MPa	ISO 527
<sup>[C]</sup> Stress at 300% elongation	20	MPa	ISO 527
<sup>[C]</sup> Stress at break TPE	35	MPa	ISO 527
<sup>[C]</sup> Strain at break TPE	>300	%	ISO 527
<sup>[C]</sup> Tear strength	160	kN/m	ISO 34-1

[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	185	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	185	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	3.8	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	3.4	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	110	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	340	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	1E12	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	0.6	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	0.2	%	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

**Additives**

Release agent

**Delivery form**

Pellets

**Regional Availability**

North America, Europe

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