

Product Texts

Extrusion Grade, Heat Stabilized

ISO 18064 TPC-ET

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	4	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, -30°C	8	kJ/m ²	ISO 179/1eA
^[C] Stress at 10% elongation	36	MPa	ISO 527
^[C] Stress at break TPE	26	MPa	ISO 527
^[C] Compression set at 70 °C, 24h	55	%	ISO 815

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	221	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	11	°C	ISO 11357-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 1MHz	3.8	-	IEC 62631-2-1
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Comparative tracking index	600	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.6	%	Sim. to ISO 62
^[C] Humidity absorption	0.15	%	Sim. to ISO 62
^[C] Density	1290	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

Europe

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](#)