

**Product Texts**

Food Contact Quality, Injection Molding or Extrusion Grade

ISO 18064 TPC-ET

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Yield stress	6	MPa	ISO 527
<sup>[C]</sup> Yield strain	50	%	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	N	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Stress at 10% elongation	3	MPa	ISO 527
<sup>[C]</sup> Stress at 100% elongation	6.6	MPa	ISO 527
<sup>[C]</sup> Stress at break TPE	20	MPa	ISO 527
<sup>[C]</sup> Strain at break TPE	>300	%	ISO 527
<sup>[C]</sup> Shore D hardness	33	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	195	°C	ISO 11357-1/-3
<sup>[C]</sup> Glass transition temperature, 10°C/min	-73	°C	ISO 11357-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	4.1	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	4	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	10	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	170	E-4	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Electric strength	20	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1110	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding, Film Extrusion, Coating

**Certifications**

Food contact

**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](#)

**Film extrusion**

- [Arnitel® Recommendations for Extrusion](#)