

Product Texts

22% Renewable Content, Injection Molding, Food Contact Quality

ISO 18064 TPC

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	50	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Stress at 10% elongation	21.9	MPa	ISO 527
^[C] Stress at 100% elongation	19.8	MPa	ISO 527
^[C] Stress at break TPE	36	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 70 °C, 24h	39	%	ISO 815
^[C] Tear strength	172	kN/m	ISO 34-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	209	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	-2	°C	ISO 11357-1/-2
^[C] Vicat softening temperature, B	95	°C	ISO 306

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2
^[C] Electric strength	20	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Humidity absorption	0.02	%	Sim. to ISO 62
^[C] Density	1210	kg/m ³	ISO 1183
Biobased content	22	%	-

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Certifications

Contains renewable resources, 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](#)