

Product Texts

>50% Renewable Content, Food Contact Quality

ISO 18064 TPC

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	45	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
^[C] Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.2	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Stress at 10% elongation	4.5	MPa	ISO 527
^[C] Stress at 100% elongation	8.3	MPa	ISO 527
^[C] Stress at break TPE	9	MPa	ISO 527
^[C] Compression set at 70 °C, 24h	47	%	ISO 815
^[C] Tear strength	75	kN/m	ISO 34-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	158	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	-35	°C	ISO 11357-1/-2

[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	0.04	%	Sim. to ISO 62
^[C] Density	1100	kg/m ³	ISO 1183
Biobased content	50	%	-

[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](#)