

Product Texts

25 Shore D, Low Viscosity, Medical grade, Food Contact Quality

ISO 18064 TPC-ET

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	48	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
^[C] Density of melt	905	kg/m ³	-

[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, +23°C	N	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	N	kJ/m ²	ISO 179/1eA
^[C] Tensile notched impact strength, +23°C	N	kJ/m ²	ISO 8256/1
^[C] Stress at 10% elongation	2.1	MPa	ISO 527
^[C] Stress at 100% elongation	5.1	MPa	ISO 527
^[C] Stress at break TPE	15	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Shore A hardness	85	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	180	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	-80	°C	ISO 11357-1/-2
^[C] Coeff. of linear therm. expansion, parallel	220	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	220	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	5E12	Ohm*m	IEC 62631-3-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.8	%	Sim. to ISO 62
^[C] Density	1080	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Applications

Medical

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Certifications

Food contact, Medical Grade

Other text information

Injection molding

[Injection Molding Recommendations](#)

[Steel recommendations for molds screws and barrels](#)

[Trouble shooting guideline for injection molding](#)