

Product Texts

Heat Resistant Copolyester

ISO 18064 TPC-ES

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	8	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, +23°C	N	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	6	kJ/m ²	ISO 179/1eA
^[C] Stress at 10% elongation	12	MPa	ISO 527
^[C] Stress at 100% elongation	16	MPa	ISO 527
^[C] Stress at break TPE	34	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
^[C] Compression set at 70 °C, 24h	42	%	ISO 815
^[C] Shore D hardness	51	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	205	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	-10	°C	ISO 11357-1/-2
^[C] Vicat softening temperature, B	61	°C	ISO 306
^[C] Coeff. of linear therm. expansion, normal	190	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	4.34	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3.58	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	212	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	460	E-4	IEC 62631-2-1
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Electric strength	15	kV/mm	IEC 60243-1
^[C] Comparative tracking index	600	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Humidity absorption	0.11	%	Sim. to ISO 62
^[C] Density	1240	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Other Extrusion

Features

Copolymer

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat

Other text information**Injection molding**[Injection Molding Recommendations](#)[Steel recommendations for molds screws and barrels](#)[Trouble shooting guideline for injection molding](#)**Other extrusion**[Extrusion guideline Arnitel® C and Arnitel® U](#)[Arnitel® Recommendations for Extrusion](#)