

Product Texts

Very High Viscosity, Improved Impact, Extrusion, Food Contact Quality

ISO 1043 PET

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	7.5	cm ³ /10min	ISO 1133
Temperature	270	°C	-
Load	2.16	kg	-
^[C] Thermal conductivity of melt	0.205	W/(m K)	-
^[C] Spec. heat capacity of melt	2050	J/(kg K)	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2250	MPa	ISO 527
^[C] Yield stress	50	MPa	ISO 527
^[C] Yield strain	4	%	ISO 527
^[C] Nominal strain at break	>50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	255	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	98	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	75	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	75	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Humidity absorption	0.3	%	Sim. to ISO 62
^[C] Density	1400	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Certifications

Food contact

Regional Availability

Europe

Other text information

Injection molding

[Injection Molding Recommendations](#)

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

[Supporting document for Stanyl quality processing](#)

Other extrusion

[Stockshape Processing Guideline for Arnite® A-grades](#)