

Product Texts

Very High Viscosity, Extrusion, Food Contact Quality

ISO 1043 PET

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	6.5	cm ³ /10min	ISO 1133
Temperature	270	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2500	MPa	ISO 527
^[C] Yield stress	55	MPa	ISO 527
^[C] Yield strain	4	%	ISO 527
^[C] Nominal strain at break	>50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	4	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] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
^[C] Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-
^[C] Oxygen index	25	%	ISO 4589-1/-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	1390	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

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](#)