

Product Texts

Medical grade, Low Viscosity, Injection Molding or Extrusion Grade

ISO 1043 PET

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.6	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2500	MPa	ISO 527

[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, 0.45 MPa	68	°C	ISO 75-1/-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/m³	ISO 1183

[C]: CAMPUS

Material specific properties	Value	Unit	Test Standard
ISO Data			
^[C] Viscosity number	85	cm³/g	ISO 307, 1157, 1628

[C]: CAMPUS

Characteristics

Processing
Injection Molding, Film Extrusion, Other Extrusion

Applications
Medical

Delivery form
Pellets

Regional Availability
North America, Europe, Asia Pacific

Certifications
Medical Grade

Other text information

Injection molding
[Injection Molding Recommendations](#)
[Steel recommendations for molds screws and barrels](#)
[Supporting document for Stanyl quality processing](#)