

**Product Texts**

Extrusion, Unreinforced, Food Contact Quality, Improved flow

ISO 1043 PBT

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	280	cm <sup>3</sup> /10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
<sup>[C]</sup> Molding shrinkage, parallel	1.8	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	1.8	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2700	MPa	ISO 527
Nominal strain at break	2.8	%	ISO 527
Stress at break	55	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Izod impact strength, +23°C	35	kJ/m <sup>2</sup>	ISO 180/1U

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	85	°C	ISO 75-1/-2
Vicat softening temperature, B	185	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1300	kg/m <sup>3</sup>	ISO 1183
Bulk density	800	kg/m <sup>3</sup>	-

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Injection Molding, melt temperature	250	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 8	h	-

**Characteristics**

**Processing**  
Injection Molding, Film Extrusion, Other Extrusion, Coating

**Certifications**  
Food contact

**Delivery form**  
Pellets

**Regional Availability**  
North America, Europe, Asia Pacific, South and Central America, Near East/Africa

**Other text information**

**Injection molding**

PREPROCESSING

Drying temperature circulating air dryer: 120 °C

Drying time circulating air dryer: 4 - 8 h

PROCESSING