CELANEX® 1401A

PBT — Celanese

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**48**	cm³/10min	ISO 1133
Temperature	**250**	°C	-
Load	**2.16**	kg	-
[C] Molding shrinkage, parallel	**1.9**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.9**	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2550**	MPa	ISO 527
[C] Charpy notched impact strength, +23°C	**3.1**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**2.9**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**224**	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**55**	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**130**	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**110**	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1310**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Regional Availability
North America, Europe, Asia Pacific

Delivery form
Pellets

Other text information

Injection molding
Injection speed, injection pressure and holding pressure should be optimized for individual article geometry. To avoid material degradation during processing, low back pressure and minimum screw speed should be used. Overheating of material should be avoided. Up to 25% clean and dry regrind may be used.