

Eastman Eastapak 9921 PET

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Unreinforced

Material Notes:

ISO data as provided by the manufacturer, Eastman Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Eastapak-9921-PET.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	3.8 %	3.8 %	
Tensile Modulus	2.47 GPa	358 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.390 J/cm ²	1.86 ft-lb/in ²	
	0.270 J/cm ²	1.28 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	73.0 µm/m-°C	40.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	78.0 µm/m-°C	43.3 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	243 °C	469 °F	
Deflection Temperature at 0.46 MPa (66 psi)	68.0 °C	154 °F	
Deflection Temperature at 1.8 MPa (264 psi)	69.0 °C	156 °F	
Vicat Softening Point	76.0 °C	169 °F	

Glass Transition Temp, Tg Thermal Properties	78.0 °C Metric	172 °F English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 °C	518 - 554 °F	

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