

Eastman Eastalloy DA107 PC+PET Copolyester/Polycarbonate (discontinued **)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

ISO data as provided by the manufacturer, Eastman Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Eastalloy-DA107-PCPET-CopolyesterPolycarbonate-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.0 MPa	6380 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	4.5 %	4.5 %	
Tensile Modulus	1.84 GPa	267 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	9.00 J/cm ²	42.8 ft-lb/in ²	Partial Break
	1.15 J/cm ²	5.47 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	62.0 µm/m-°C	34.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	71.0 µm/m-°C	39.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	220 °C	428 °F	
Deflection Temperature at 0.46 MPa (66 psi)	86.0 °C	187 °F	
Deflection Temperature at 1.8 MPa			

<small>(264 psi)</small> Thermal Properties	74.0 °C Metric	165 °F English	Comments
Vicat Softening Point	90.0 °C	194 °F	
Glass Transition Temp, Tg	92.0 °C	198 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 °C	500 - 536 °F	

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