

Eastman Eastalloy DA106 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-DA106-PCPET-CopolyesterPolycarbonate-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
Linear Mold Shrinkage, Transverse	0.0075 cm/cm	0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.0 MPa	6670 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	4.8 %	4.8 %	
Tensile Modulus	1.54 GPa	223 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	5.50 J/cm ²	26.2 ft-lb/in ²	Partial Break
	5.00 J/cm ²	23.8 ft-lb/in ²	Partial Break
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	87.0 µm/m-°C	48.3 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	83.0 µm/m-°C	46.1 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	241 °C	466 °F	
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	
Deflection Temperature at 1.8 MPa			

(264 psi) Thermal Properties	88.0 °C Metric	190 °F English	Comments
Vicat Softening Point	106 °C	223 °F	
Glass Transition Temp, Tg	111 °C	232 °F	

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

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