

Eastman Tenite 371A-12 CAP Cellulose Acetate Propionate (discontinued **)

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Cellulosic , Cellulose Acetate Propionate, Molded

Material Notes:

12% Plasticized. ISO data as provided by the manufacturer, Eastman Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Tenite-371A-12-CAP-Cellulose-Acetate-Propionate-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	
Linear Mold Shrinkage, Flow	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	50 mm/min
Elongation at Break	42 %	42 %	
Elongation at Yield	3.8 %	3.8 %	
Tensile Modulus	1.59 GPa	231 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	2.17 J/cm ²	10.3 ft-lb/in ²	
	1.05 J/cm ²	5.00 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C	50.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	131 µm/m-°C	72.8 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	91.0 °C	196 °F	
Deflection Temperature at 1.8 MPa (264 psi)	83.0 °C	181 °F	

Vicat Softening Point Thermal Properties	88.0 °C Metric	190 °F English	Comments
Glass Transition Temp, Tg	101 °C	214 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 230 °C	428 - 446 °F	

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