

Eastman Tenite 383A-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-383A-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	32.0 MPa	4640 psi	50 mm/min
Elongation at Break	37 %	37 %	
Elongation at Yield	3.9 %	3.9 %	
Tensile Modulus	1.46 GPa	212 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.98 J/cm ²	9.42 ft-lb/in ²	
	1.04 J/cm ²	4.95 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	107 µm/m-°C	59.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	134 µm/m-°C	74.4 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	89.0 °C Metric	192 °F English	Comments
Glass Transition Temp, Tg	100 °C	212 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	225 - 240 °C	437 - 464 °F	

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