

Eastman Tenite 131E-28 Cellulose Acetate (discontinued **)

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

Material Notes:

28% plasticized and contains 50% fiber grade ester. ISO data as provided by the manufacturer, Eastman Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Tenite-131E-28-Cellulose-Acetate-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 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	33.0 MPa	4790 psi	50 mm/min
Elongation at Break	16 %	16 %	
Elongation at Yield	3.2 %	3.2 %	
Tensile Modulus	2.08 GPa	302 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.47 J/cm ²	7.00 ft-lb/in ²	
	0.610 J/cm ²	2.90 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	111 μm/m-°C	61.7 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	133 μm/m-°C	73.9 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	

Vicat Softening Point Thermal Properties	84.0 °C Metric	183 °F English	Comments
Glass Transition Temp, Tg	99.0 °C	210 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 240 °C	428 - 464 °F	

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