

Eastman Tenite 132E-28 Cellulose Acetate (discontinued **)

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

Material Notes:

28% Plasticized with 25% 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-132E-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	20 %	20 %	
Elongation at Yield	3.3 %	3.3 %	
Tensile Modulus	1.81 GPa	263 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.02 J/cm ²	4.85 ft-lb/in ²	
	0.580 J/cm ²	2.76 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	84.0 µm/m-°C	46.7 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)	89.0 °C	192 °F	
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	

Vicat Softening Point Thermal Properties	83.0 °C Metric	181 °F English	Comments
Glass Transition Temp, Tg	108 °C	226 °F	

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

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