

## Eastman Tenite 180A-28(HT) Cellulose Acetate (discontinued \*\*)

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

### Material Notes:

28% Plasticized.ISO data as provided by the manufacturer, Eastman Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eastman-Tenite-180A-28HT-Cellulose-Acetate-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-Tenite-180A-28HT-Cellulose-Acetate-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	
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	34.0 MPa	4930 psi	50 mm/min
Elongation at Break	29 %	29 %	
Elongation at Yield	3.2 %	3.2 %	
Tensile Modulus	1.95 GPa	283 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.83 J/cm <sup>2</sup>	8.71 ft-lb/in <sup>2</sup>	
	1.03 J/cm <sup>2</sup>	4.90 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	114 µm/m-°C	63.3 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	147 µm/m-°C	81.7 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)	84.0 °C	183 °F	

Vicat Softening Point Thermal Properties	89.0 °C Metric	192 °F English	Comments
Glass Transition Temp, Tg	107 °C	225 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 °C	446 - 482 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China