

## Eastman Tritan LX150HF Copolyester

Category : Polymer , Thermoplastic , Polyester, TP

### Material Notes:

Eastman Tritan LX150HF is a high flow grade of an amorphous copolyester with excellent appearance and clarity. Eastman Tritan LX150HF has viscosity reductions of 40-50% relative to standard grades of Eastman Tritan. Its most outstanding features are excellent toughness, hydrolytic stability, and heat and chemical resistance. Tritan LX150HF was developed for the cosmetic, fragrance, and personal care markets. Tritan LX150HF can easily be converted into articles for application in consumer and personal markets by injection molding, extrusion blow molding, and injection blow molding. Application/Uses Cosmetics hot-fill packaging Cosmetics/personal care packaging Fragrance packaging Key Attributes Ease of processing excellent clarity Fast drying times Good chemical resistance Good heat resistance Improved flowability Outstanding impact resistance Quick cycle times Reported typical properties are preliminary. Information was provided by Eastman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eastman-Tritan-LX150HF-Copolyester.php](http://www.lookpolymers.com/polymer_Eastman-Tritan-LX150HF-Copolyester.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength at Break	52.0 MPa	7540 psi	ASTM D638
Tensile Strength, Yield	43.0 MPa	6240 psi	ASTM D638
Elongation at Break	210 %	210 %	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Tensile Modulus	1.575 GPa	228.4 ksi	ASTM D638
Flexural Yield Strength	64.0 MPa	9280 psi	ASTM D790
Flexural Modulus	1.575 GPa	228.4 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm @Temperature -40.0 °C	2.06 ft-lb/in @Temperature -40.0 °F	ASTM D256
	8.60 J/cm @Temperature 23.0 °C	16.1 ft-lb/in @Temperature 73.4 °F	ASTM D256
Izod Impact, Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ASTM D4812

Mechanical Properties	Metric	English	Comments
	@Temperature -40.0 °C	@Temperature -40.0 °F	ASTM D4812
Puncture Energy	53.0 J	39.1 ft-lb	Energy @ Max. Load; ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	57.0 J	42.0 ft-lb	Energy @ Max. Load; ASTM D3763
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	<= 1.0 %	<= 1.0 %	ASTM D1003
Transmission, Visible	91 %	91 %	ASTM D1003

Processing Properties	Metric	English	Comments
Processing Temperature	260 - 282 °C	500 - 540 °F	
Mold Temperature	38.0 - 66.0 °C	100 - 151 °F	
Drying Temperature	88.0 °C	190 °F	
Dry Time	4 - 6 hour	4 - 6 hour	

## 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