Tritan™ LX150HF

Copolyester

Eastman Chemical Company

Message:

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 care markets by injection molding, extrusion blow molding, and injection blow molding.

General Information	
Features	Amorphous
	Fast Molding Cycle
	Good Chemical Resistance
	Good Impact Resistance
	Good Processability
	Good Toughness
	High Clarity
	High Flow
	High Heat Resistance
	Hydrolytically Stable
Uses	Cosmetic Packaging
	Packaging
Processing Method	Extrusion Blow Molding
	Injection Blow Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 23°C)	111		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	1580	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	43.0	MPa	
Break, 23°C	52.0	MPa	
Tensile Elongation			ASTM D638
Yield, 23°C	7.0	%	
Break, 23°C	210	%	

Flexural Modulus (23°C)	1580	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	64.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-40°C	110	J/m	
23°C	860	J/m	
Unnotched Izod Impact			ASTM D256
-40°C	No Break		
23°C	No Break		
Instrumented Dart Impact			ASTM D3763
-40°C, Energy at Peak Load	57.0	J	
23°C, Energy at Peak Load	53.0	J	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	94.0	°C	
1.8 MPa, Unannealed	81.0	°C	
Optical	**Nominal Value**	**Unit**	**Test Method**
Transmittance (Total)	91.0	%	ASTM D1003
Haze	< 1.0	%	ASTM D1003
Injection	**Nominal Value**	**Unit**	
Drying Temperature	88.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	260 to 282	°C	
Mold Temperature	38.0 to 66.0	°C	

Recommended distributors for this material

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