# Tritan™ MP150

## Copolyester

### Eastman Chemical Company

#### Message:

Eastman Tritan copolyester MP150 is a high flow grade of Eastman Tritan. Eastman Tritan copolyester MP150 has viscosity reductions of 40-50% relative to Eastman Tritan copolyester MP100. It is intended for use in extrusion coating processes or where high melt flow rate is desirable. Other outstanding features include good toughness, hydrolytic stability, and heat and chemical resistance. Eastman Tritan copolyester MP150 may be used in food contact applications with restrictions and is compliant with applicable and select sections of USP 35 <661>, ISO10993, and ISO11607.

General Information			
Features	High liquidity		
	Good chemical resistance		
	Heat resistance, high		
	Definition, high		
	Good toughness		
	Compliance of Food Exposure		
	Hydrolysis stability		
Uses	Packaging		
	Coating application		
	Drug packaging		
	Medical packaging		
Agency Ratings	ISO 10993		
	ISO 11607		
	USP 35		
Processing Method	Extrusion coating		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ASTM D1505
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1580	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	43.0	MPa	ASTM D638
Fracture	52.0	MPa	ASTM D638
Tensile Elongation			ASTM D638

Yield	7.0	%	ASTM D638
Fracture	210	%	ASTM D638
Flexural Modulus	1580	MPa	ASTM D790
Flexural Strength (Yield)	64.0	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	130	μm	
Elastic Modulus - MD (Cast Film)	979	MPa	ASTM D882
Tensile Strength - MD (Fracture, Extruded Film)	56.5	MPa	ASTM D882
Tensile Elongation - MD (Fracture, Extruded Film)	220	%	ASTM D882
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	860	J/m	ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D4812
Dart Drop Impact (0.127 mm, Cast Film)	3.50	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	94.0	°C	ASTM D648
1.8 MPa, not annealed	81.0	°C	ASTM D648
Glass Transition Temperature	110	°C	DSC
Optical	Nominal Value	Unit	Test Method
Transmittance (Total)	91.0	%	ASTM D1003
Haze	< 1.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	88	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	260 - 282	°C	
Mold Temperature	38 - 66	°C	

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