

Eastar™ PP001

Thermoplastic Polyester
Eastman Chemical Company

Message:

Eastman Eastar™ Copolyester PP001 is an amorphous copolyester with improved processability for multilayer film extrusion useful in pharmaceutical and food packaging. Extruded films made of Eastman Eastar™ copolyester are non-crystallizing, crystal clear, halogen-free, exhibit good toughness, and offer wide processing windows.

General Information			
Features	Amorphous		
	Good Processability		
	Good Toughness		
	Halogen Free		
	High Clarity		
Uses	Film		
	Food Packaging		
	Packaging		
	Pharmaceutical Packaging		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	83		
Shore D	73		
Films	Nominal Value	Unit	Test Method
Elastic Modulus - Tangent, MD	1870	MPa	ASTM D882
Elastic Modulus - Tangent, TD	1830	MPa	ASTM D882
Secant Modulus			ASTM D882
1% Secant, MD	1800	MPa	
1% Secant, TD	1760	MPa	
Tensile Strength			ASTM D882
MD : Yield	49.6	MPa	
TD : Yield	48.3	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-45.0	°C	ASTM D1790

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