

## Product Data Sheet

### Eastman Eastar™ Copolyester PP001

#### Application/Uses

- Food packaging
- Pharmaceutical blister packaging

#### Product Description

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.

#### Typical Properties

Property <sup>a</sup>	Test <sup>b</sup> Method	Typical Value, Units <sup>c</sup>
<b>Calender Film: Clear (Unpigmented)</b>		
Specific Gravity	D 792	1.27
Tensile Strength @ Break		
M.D.	D 882	50 MPa (7200 psi)
T.D.	D 882	48 MPa (7000 psi)
Tensile Modulus, Tangent		
M.D.	D 882	1870 MPa (2.7 x 10 <sup>5</sup> psi )
T.D.	D 882	1825 MPa (2.6 x 10 <sup>5</sup> psi )
Tensile Modulus, 1% Secant		
M.D.	D 882	1800 MPa (2.6 x 10 <sup>5</sup> psi )
T.D.	D 882	1760 MPa (2.6 x 10 <sup>5</sup> psi )
Brittleness Temperature by Impact <sup>d</sup>	D 1790	-45°C (-49°F)
Durometer Hardness		
Shore A Scale	D 2240	83
Shore D Scale	D 2240	73

<sup>a</sup> Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units.

<sup>d</sup> Data shown indicate test temperature at which all specimens break.

#### General

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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