

## Dow Primacor® 1420 Ethylene Acrylic Acid (EAA)

Category : Polymer , Film , Thermoplastic , Ethylene Acrylic Acid

### Material Notes:

Film properties below based on a film thickness of 60 µm. Data provided by Dow Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Primacor-1420-Ethylene-Acrylic-Acid-EAA.php](http://www.lookpolymers.com/polymer_Dow-Primacor-1420-Ethylene-Acrylic-Acid-EAA.php)

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in <sup>3</sup>	
Thickness	60.0 microns	2.36 mil	
Melt Flow	3.0 g/10 min @Load 2.16 kg	3.0 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	24.7 MPa	3580 psi	Molded property
Film Tensile Strength at Yield, MD	8.60 MPa	1250 psi	
Film Tensile Strength at Yield, TD	8.30 MPa	1200 psi	
Tensile Strength, Yield	9.50 MPa	1380 psi	Molded property
Film Elongation at Break, MD	515 %	515 %	
Film Elongation at Break, TD	545 %	545 %	
Elongation at Break	510 %	510 %	Molded value
Tensile Modulus	0.124 GPa	18.0 ksi	
Elmendorf Tear Strength MD	380 g	380 g	
Elmendorf Tear Strength TD	500 g	500 g	
Elmendorf Tear Strength, MD	6.30 g/micron	160 g/mil	
Elmendorf Tear Strength, TD	8.30 g/micron	211 g/mil	
Dart Drop	7.10 g/micron	180 g/mil	
Film Tensile Strength at Break, MD	37.9 MPa	5500 psi	
Film Tensile Strength at Break, TD	39.3 MPa	5700 psi	

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
<b>Optical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Haze	4.0 %	4.0 %	
Gloss	65 %	65 %	45°
<b>Processing Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Processing Temperature	191 °C	376 °F	Film extrusion temperature

## Contact Songhan Plastic Technology Co.,Ltd.

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