

Dow Primacor® 1410 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-1410-Ethylene-Acrylic-Acid-EAA.php

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	
Thickness	60.0 microns	2.36 mil	
Melt Flow	1.5 g/10 min @Load 2.16 kg	1.5 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	23.4 MPa	3390 psi	Molded property
Film Tensile Strength at Yield, MD	8.60 MPa	1250 psi	
Film Tensile Strength at Yield, TD	7.90 MPa	1150 psi	
Tensile Strength, Yield	8.30 MPa	1200 psi	Molded property
Film Elongation at Break, MD	470 %	470 %	
Film Elongation at Break, TD	510 %	510 %	
Elongation at Break	585 %	585 %	Molded value
Tensile Modulus	0.124 GPa	18.0 ksi	
Elmendorf Tear Strength MD	300 g	300 g	
Elmendorf Tear Strength TD	400 g	400 g	
Elmendorf Tear Strength, MD	5.00 g/micron	127 g/mil	
Elmendorf Tear Strength, TD	6.70 g/micron	170 g/mil	
Dart Drop	10.2 g/micron	259 g/mil	
Film Tensile Strength at Break, MD	42.7 MPa	6190 psi	
Film Tensile Strength at Break, TD	44.8 MPa	6500 psi	

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
	81.0 °C	178 °F	
Optical Properties	Metric	English	Comments
Haze	5.5 %	5.5 %	
Gloss	65 %	65 %	45°
Processing Properties	Metric	English	Comments
Processing Temperature	191 °C	376 °F	Film extrusion temperature

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