

Dow Primacor® 5990I Ethylene Acrylic Acid (EAA)

Category : Polymer , Thermoplastic , Ethylene Acrylic Acid

Material Notes:

PRIMACOR® 5990I is an ethylene acrylic acid copolymer (20 wt % comonomer) for specialty hot melt adhesive applications. Its outstanding properties include toughness and adhesion to a wide variety of difficult to bond substrates, such as metals, nylon, glass and urethanes.

When used unmodified for food packaging applications, this resin complies with the U.S. Food, Drug and Cosmetic Act as amended under Food Additive Regulation 21 CFR 177.1310(c). The regulation should be consulted for complete details. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Primacor-5990I-Ethylene-Acrylic-Acid-EAA.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	
Melt Flow	1300 g/10 min @Load 2.16 kg	1300 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	42	42	
Tensile Strength, Ultimate	6.20 MPa	899 psi	
Elongation at Break	350 %	350 %	
Modulus of Elasticity	0.0221 GPa	3.21 ksi	Molded Sample 2% Secant Modulus

Thermal Properties	Metric	English	Comments
Vicat Softening Point	40.0 °C	104 °F	

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