

DuPont Nucrel® AE High Performance Adhesive and Sealant Resin

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

Nucrel® Nucrel® AE is a terpolymer of ethylene, methacrylic acid, and acrylate, available for use in conventional extrusion coating, coextrusion coating, and extrusion laminating equipment designed to process polyethylene resins. It can be used as a blend of approximately 20 to 40% Nucrel® AE with 80 to 60% LDPE for enhancement of foil adhesion properties. The level of adhesion improvement depends on processing conditions. Characteristics: Improved foil adhesion when processed under the correct conditions Increased peak hot tack strength. Applications: Foil-containing pouches and sachets for packaging non-aggressive food and miscellaneous non-food products Snack structures Other foil, metallized film, or paper coatings as a heat seal or tie layer Information provided by DuPont™

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Nucrel-AE-High-Performance-Adhesive-and-Sealant-Resin.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D792
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 190 °C	11 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	80.0 °C	176 °F	Freezing Point, DSC; ASTM D3418
	105 °C	221 °F	DSC; ASTM D3418
Vicat Softening Point	79.0 °C	174 °F	ASTM D1525

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