

DuPont Nucrel® 0609HSA Ethylene-Methacrylic Acid Copolymer Resin for Film and Extrusion Coating/Laminating

Category : Polymer , Film , Thermoplastic , Ethylene Methyl Acrylate , Ethylene-Methyl Acrylate Copolymer, Film Grade

Material Notes:

6.5 wt% Methacrylic Acid. Nucrel® 0609HSA is an ethylene-methacrylic acid copolymer resin available for use in conventional extrusion coating, coextrusion coating, and extrusion laminating equipment designed to process polyethylene resins. This resin may also be used in conventional blown and cast film extrusion and coextrusion equipment. Features & Benefits: Excellent adhesion to unprimed foil, paper and metallized film provides better substrate protection, improved structure reliability, and barrier integrity. This product provides very good but lower adhesion to polyethylene than acid copolymers with 4% or less methacrylic acid content (e.g., Nucrel® 0407 and Nucrel® 0411HS). High speed operation on packaging machinery is enhanced by low seal initiation temperature compared to LDPE Excellent hot tack, sealability through contamination, and heat seal strength provides strong, reliable heat seals Contains anti-oxidant. Typical Applications: Foil-containing pouches and sachets; Aseptic and hot-fill liquid cartons; Lidding and snack structures; Other foil, metallized film, or paper coatings as a heat seal or tie layer. Information provided by DuPont Packaging Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Nucrel-0609HSA-Ethylene-Methacrylic-Acid-Copolymer-Resin-for-Film-and-Extrusion-CoatingLaminating.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------------------------------|--------------------------------------|------------|
| Melt Flow | 9.0 g/10 min | 9.0 g/10 min | ASTM D1238 |
| | @Load 2.16 kg, Temperature 190 °C | @Load 4.76 lb, Temperature 374 °F | |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------|---------|-----------------------------------|
| Melting Point | 83.0 °C | 181 °F | Freezing Point via DSC/ASTM D3418 |
| | 104 °C | 219 °F | Upon Melting via DSC/ASTM D3418 |
| Vicat Softening Point | 88.0 °C | 190 °F | ASTM D1525 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|---|
| Nozzle Temperature | 300 °C | 572 °F | Typical Die Temp. for Extrusion Coating |
| Melt Temperature | 260 - 315 °C | 500 - 599 °F | flat die equipment |

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