

DuPont Bynel® 41E623 Adhesive Resin (discontinued **)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Bynel® Series 4100 resins are anhydride-modified linear low-density polyethylene (LLDPE) resins. They are available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins. Applications: Bynel® Series 4100 resins adhere to a variety of materials. They are most often used to adhere to EVOH, polyamide, PE, ionomers, and ethylene copolymers. Bynel® Series 4100 resins can be used in coextrusion processes including: blown film/cast film/sheet/blow molding melt and solid phase thermoforming sheet and tubing Bynel® 41E623 provides outstanding adhesion to EVOH and polyamide. Information provided by DuPont™

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Bynel-41E623-Adhesive-Resin-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------------------------------|--------------------------------------|------------|
| Density | 0.900 g/cc | 0.0325 lb/in ³ | ASTM D792 |
| Melt Flow | 1.7 g/10 min | 1.7 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 | 100 °C | 212 °F | Freezing Point, DSC; ASTM D3418 |
| | 119 °C | 246 °F | DSC; ASTM D3418 |
| Vicat Softening Point | 71.0 °C | 160 °F | ASTM D1525 |

| Processing Properties | Metric | English | Comments |
|---------------------------|--------|---------|------------------------------------|
| Rear Barrel Temperature | 120 °C | 248 °F | For high temperature coextrusions. |
| | 120 °C | 248 °F | For coextrusion with EVA or EVOH. |
| Middle Barrel Temperature | 220 °C | 428 °F | For coextrusion with EVA or EVOH. |
| | 235 °C | 455 °F | For high temperature coextrusions. |
| Front Barrel Temperature | 235 °C | 455 °F | For coextrusion with EVA or EVOH. |
| | 250 °C | 482 °F | For high temperature coextrusions. |
| Adapter Temperature | 235 °C | 455 °F | For coextrusion with EVA or EVOH. |
| | 250 °C | 482 °F | For high temperature coextrusions. |
| Die Temperature | 235 °C | 455 °F | For coextrusion with EVA or EVOH. |
| | 250 °C | 482 °F | For high temperature coextrusions. |

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