

Bynel® 30E753

Ethylene Vinyl Acetate Copolymer

DuPont Packaging & Industrial Polymers

Message:

BYNEL® Series 3000 resins are anhydride-modified ethylene vinyl acetate polymers. They are available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins.

BYNEL 30E753 is specifically designed to provide high adhesion to both metals and polyolefins when converted into film form and used as a thermal lamination film. It has a low coefficient of friction for easy film handling and provides strong bonds that fail cohesively.

BYNEL 3000 series resins adhere to a wide variety of materials. They are most often used to adhere to PE, ionomers, EVA and polyamide.

| General Information | |
|---------------------|--------------------------|
| Features | Low friction coefficient |
| | Good adhesion |
| Uses | Films |
| | Laminate |
| | Adhesive |
| Agency Ratings | FDA 21 CFR 175.105 |
| Forms | Particle |
| Processing Method | Co-extrusion molding |
| | Extrusion |

| Physical | Nominal Value | Unit | Test Method |
|------------------|---------------|-------------------|---------------------|
| Specific Gravity | 0.938 | g/cm ³ | ASTM D792, ISO 1183 |

| | | | |
|---|-----|----------|----------------------|
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.1 | g/10 min | ASTM D1238, ISO 1133 |
|---|-----|----------|----------------------|

| Thermal | Nominal Value | Unit | Test Method |
|-----------------------------|---------------|------|----------------------|
| Vicat Softening Temperature | 65.0 | °C | ASTM D1525, ISO 306 |
| Peak Melting Temperature | 92.0 | °C | ASTM D3418, ISO 3146 |
| Freezing Point | 89 | °C | ASTM D3418 |

| Extrusion | Nominal Value | Unit |
|-----------------------|---------------|------|
| Cylinder Zone 1 Temp. | 135 | °C |
| Cylinder Zone 2 Temp. | 160 | °C |
| Cylinder Zone 3 Temp. | 185 | °C |
| Cylinder Zone 4 Temp. | 185 | °C |
| Cylinder Zone 5 Temp. | 185 | °C |
| Adapter Temperature | 185 | °C |
| Melt Temperature | < 235 | °C |
| Die Temperature | 185 | °C |

Extrusion instructions

Processing conditions shown are for blown film.

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