

HuntHumber™ JMV260 Resin

Product Overview

HuntHumber™ JMV260 Resin is an acid-anhydride-modified low density polyethylene (LDPE) resin in pellet form. Designed for conventional extrusion and co-extrusion equipment processing polyethylene resins.

Typical Characteristics

Characteristics

- Exhibits physical properties similar to polyethylene(PE) resin with the similar density and melt index
- Provides strong bonding strength and long-term adhesion between aluminum and plastic substrates when processed into film, exhibiting cohesive failure under stress
- Low coefficient of friction for easy film handling

Specialized Applications

Primarily developed as thermal lamination film adhesive for:

- Metal-to-polyolefin bonding
- Industrial composite materials

HuntHumber™ JMV260 Resin can be utilized in the following co-extrusion processes:

- Blown film

Physical Properties

Property	Test Standard	Value	Unit
Density	ASTM D792 / ISO 1183	0.93	g/cm ³
Melt Flow Index (190°C)	ASTM D1238 / ISO 1133	2.0	g/10min
Melting Point	ASTM D3418 / ISO 3146	114	°C
Vicat Softening Point	ASTM D1525 / ISO 306	96	°C

Processing Information

Temperature Parameters

- **Maximum Processing Temp:** 260°C (500°F)

Operational Recommendations

Hunthumber™ JMV260 resins have medium softening points, it is a good idea to run the rear of the extruder as cool as possible, then build quickly to the melt temperature. Water cooling of the screw and/or hopper feed throat may help avoid bridging problems. We suggest that the maximum melt temperature be limited to 260°C (500°F) to guard against overheating the EVA. If adhesion results are adequate, we suggest evaluating even lower melt temperatures.

In the event of a brief interruption during the extrusion processing, operating the screw at a low speed is essential. Before extended shutdowns, it's necessary to thoroughly purge the Hunthumber™ JMV260 resins from the extruder using polyethylene and maintain the processing temperature unchanged during purging.

Performance Evaluation

Adhesive Evaluation

Adhesive performance should be evaluated under actual application conditions. While peel testing serves as a practical method, test results are influenced by multiple factors including:

- Peel geometry and separation speed
- Temperature and environmental conditions
- Substrate mechanical properties (tensile strength/elastic modulus)
- Bond aging characteristics

Additionally, subsequent processing such as heat sealing, thermoforming, or orientation may significantly affect final adhesion performance.

Storage Condition

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This product should be stored under dry and cool conditions. Improper storage conditions may cause degradation and have consequences on physical properties of the product.

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See MSDS for Health & Safety Considerations.

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