Hunthumber™ JMV260

Adhesive Resin

Description

Hunthumber™ JMV260 resins are acid-anhydride-modified low density polyethylene resins. They are available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene (PE) resins.

Typical Characteristics

Characteristics

Hunthumber™ JMV260 resin exhibits physical properties similar to polyethylene(PE) resin with the similar density and melt index.

Applications

Hunthumber™ JMV260 resin 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.

Hunthumber™ JMV260 resin can be utilized in the following co-extrusion processes:

- Blown film

Typical Properties

Properties	Test Method(s)		Typical Value	Unit
Density	ASTM D792	ISO 1183	0.93	g / cm3
Melt Flow Index(190℃/2.16kg)	ASTM D1238	ISO 1133	2.0	g / 10min
Melting Point	ASTM D3418	ISO 3146	114	℃
Vicat Softening Point	ASTM D1525	ISO 306	96	℃

Works & Registered office: No.28 Gusi Street, Changxing Island, Dalian, China
www.hunthumber.com | enquiry@hunthumber.com

Adhesive Evaluation	The performance of any adhesive resin should be evaluated within the context of the application. The adhesive is designed to bond materials that would not ordinarily adhere to each other. In most cases, peel strength is used as a measure of performance. Although this is a convenient test, peel strength is affected not only by adhesion, but also by peel angle, separation rate, temperature, and tensile and modulus properties of the materials, and often by the time elapsed since the formation of the bond. Post-treatment of the multi-layer structure, such as heat sealing, thermoforming, or orientation can also affect peel strength.

Processing Information

Maximum Processing Temperature	260°C（500°F）
General Processing Information	**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.

Storage Condition

Storage Condition	**Hunthumber™ JMV260** resins should be stored under dry and cool conditions. Improper storage conditions may cause degradation and have consequences on physical properties of the product.

Updated February 2022

See MSDS for Health & Safety Considerations.