JMV260 Resins Product Data Sheet

Description

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

Typical Properties

Properties	Method	Unit	Value
Density	ASTM D792	g / cm^3	0.93
Melt Flow Rate	ASTM D1238	g / 10min	2.6
Melting Point	ASTM D3418	℃	114
Vicat Softening Point	ASTM D1525-07	℃	95

Additional 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.**

Typical Characteristics

JMV260 resins are typical of PE resins with similar density and melt index values.
JMV260 resins are 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.

Processing Information

General

Maximum Processing Temperature **260° C**

General Processing Information **JMV260 resins have low 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 260C (500F) to guard against overheating the EVA. If adhesion results are adequate, we suggest evaluating even lower melt temperatures.**

Storage Condition

Keep dry and cool