

OREVAC[®] OE825

Linear low-density polyethylene tie resin for coextrusion

DESCRIPTION

OREVAC[®] OE825 is a maleic anhydride modified linear low-density polyethylene adhesive resin. It is available in pellet form for use in conventional extrusion and coextrusion equipments designed to process polyethylene (PE) resins.

TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Melt Index (190°C / 2.16 kg)	3	g/10min	ISO 1133 / ASTM D1238
Melting point	118	°C	ISO 11357-3
Density	0.913	g/cm ³	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) ⁽¹⁾	99	°C	ISO 306 / ASTM D1525

⁽¹⁾ On compression molded samples.

APPLICATIONS

OREVAC[®] OE825 has been designed to develop a reliable bonding strength in coextrusion processes between polyethylene or ethylene copolymers and different materials among which polyamides and EVOH. Containing a higher amount of grafted reactive functionalities compared to standard LLDPE based coextrusion tie resins.

OREVAC[®] OE825 can be used pure or blended with other polyolefins. It can be processed within different coextrusion technologies including cast film, blown film, sheet calendering, blow molding or tube extrusion.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

OREVAC® OE825

PROCESSING

OREVAC® OE825 is to be processed like a standard polyethylene resin. Typical extrusion temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Exit	Fittings-Channels	Die
160 - 180°C	180 - 200°C	200 - 220°C	210 - 230°C	220 - 230°C	220 - 230°C	220 - 240°C

Final profile and settings depend on the line and the multi-layer structure being run.

STORAGE, HANDLING AND SAFETY

OREVAC® OE825 should be stored in dry conditions protected from UV-light. Improper storage conditions may cause degradation and have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of OREVAC® OE825 is available upon request to your ARKEMA representative or on the web site orevac.com.

SHELF LIFE

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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See MSDS for Health & Safety Considerations.

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