SK functional polymer

Technical Data Sheet

OREVAC® OE825

OREVAC® OE825 is a maleic anhydride grafted linear low-density polyethylene.

- 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 calendaring, blow molding or tube.

Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	3
Melting Point	ISO 11357-3	°C	118
Density	ISO 1183 / ASTM D1505	g/cm^3	0.91
Vicat softening temperature (10N) [1]	ISO 306 / ASTM D1525	°C	100

[1]: On compression molded samples.

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 will depend on the line and the multi-layer structure being run.

Storage, Handling & 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.