

OREVAC[®] 18334

OREVAC[®] 18334 is a maleic anhydride grafted linear low-density polyethylene.

- OREVAC[®] 18334 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.
- OREVAC[®] 18334 is recommended for blow molding or tube coextrusion and can also be used as the adhesive in three layers pipe coating application.

Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	1
Grafted MAH content	Internal	%	< 0.2
Melting Point	ISO 11357	°C	125
Density	ISO 1183 / ASTM D792	g/cm ³	0.92
Vicat Softening Temperature (10N) ¹	ISO 306	°C	101
Tensile strength at break ¹	ISO 527 / ASTM D638	MPa	> 20
Tensile strength at yield ¹	ISO 527 / ASTM D638	MPa	9.5
Elongation at break ¹	ISO 527 / ASTM D638	%	700

¹: On compression molded samples.

Processing

OREVAC® 18334 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® 18334 should be stored in a ventilated area, away from heat, humidity and direct sunlight. Improper storage conditions may cause degradation and could have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of the OREVAC® 18334 are available upon request to your SK Functional Polymer representative or at www.sk-fp.com.

Shelf Life

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