

OREVAC[®] 18334

Linear low-density polyethylene tie resin for coextrusion

DESCRIPTION

OREVAC[®] 18334 is a maleic anhydride modified linear low-density polyethylene available in pellet form. It can be processed on most extrusion equipment designed to process conventional polyolefins.

TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Melt Index (190°C / 2.16 kg)	1	g/10min	ISO 1133 / ASTM D1238
Melting point	125	°C	ISO 11357-3
Density	0.920	g/cm ³	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) ⁽¹⁾	101	°C	ISO 306 / ASTM D1525
Tensile strength at yield ⁽¹⁾	9.5	MPa	ISO 527-2 / ASTM D638
Elongation at break ⁽¹⁾	700	%	ISO 527-2 / ASTM D638
Tensile strength at break ⁽¹⁾	28	MPa	ISO 527-2 / ASTM D638

⁽¹⁾ On compression molded samples.

APPLICATIONS

OREVAC[®] 18334 has been designed to develop a reliable bonding strength between polyethylene or ethylene copolymers and polar resins such as polyamides and EVOH within a coextrusion process.

OREVAC[®] 18334 is recommended for blow moulding or tube coextrusion.

OREVAC[®] 18334 can be used as the adhesive for three layers pipe coating.

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

OREVAC® 18334

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

STORAGE, HANDLING AND SAFETY

OREVAC® 18334 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® 18334 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.

May 2014

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