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.

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.

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

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.

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 at www.orevac.com.

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The world is our inspiration
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