

## Linear low-density tie resin for tube coextrusion

### Description

OREVAC® 18365S is a maleic anhydride modified low-density polyethylene available in pellet form. It can be processed on most extrusion equipments designed to process conventional polyolefins.

### Applications

OREVAC® 18365S has been designed to develop a reliable bonding strength between polyethylene or most ethylene copolymers including cross-linked PE and many kinds of different materials among which polyamides, EVOH and metals. It can be processed within different coextrusion technologies to produce multi-layer barrier pipes for floor heating.

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)	2.5	g/10min	ISO 1133 / ASTM D1238
Melting point	121	°C	ISO 11357-3
Density	0.916	g/cm <sup>3</sup>	ISO 1183 / ASTM D1505
Vicat softening temperature (10N) <sup>(1)</sup>	90	°C	ISO 306 / ASTM D1525
Elongation at break <sup>(1)</sup>	930	%	ISO 527-2 / ASTM D638
Tensile strength at break <sup>(1)</sup>	24	MPa	ISO 527-2 / ASTM D638
Hardness Shore D <sup>(1)</sup>	45	-	ISO 868 / ASTM D2240

<sup>(1)</sup> On compression molded samples.

### Processing

OREVAC® 18365S is to be processed like a standard low-density 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® 18365S 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® 18365S is available upon request to your ARKEMA representative or at [www.orevac.com](http://www.orevac.com).

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