

OREVAC[®] 18342N

OREVAC[®] 18342N is a maleic anhydride grafted high-density polyethylene.

- OREVAC[®] 18342N has been designed to develop a reliable bonding strength with polyethylene or most ethylene copolymers and many kinds of different materials among which polyamides and EVOH.
- OREVAC[®] 18342N can be processed by means of different extrusion and coextrusion technologies including blown and cast coextrusion film, blow moulding and tube coextrusion.
- OREVAC[®] 18342N also develops adhesion onto FBE (Fusion Bonded Epoxy) steel pipe protective layer.

Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	3.5
Melting Point	ISO 11357-3	°C	125
Vicat Softening Temperature (10N) ¹	ISO 306 / ASTM D1525	°C	110
Density	ISO 1183 / ASTM D1505	g/cm ³	0.93
Tensile modulus ¹	ISO 527-2 / ASTM D638	MPa	310
Elongation at break ¹	ISO 527-2 / ASTM D638	%	>600
Tensile strength at break ¹	ISO 527-2 / ASTM D638	MPa	>20
Hardness Shore D ¹	ISO 868 / ASTM D2240		59

¹: On compression molded samples.



Processing

OREVAC® 18342N 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
190-200°C	200°C	200-210°C	210-220°C	220-230°C	220-240°C	220-240°C

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

Storage, Handling & Safety

OREVAC® 18342N 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.

