SK functional polymer

Technical Data Sheet

OREVAC® 18211

OREVAC® 18211 is a coextrusion adhesive resin based on a maleic anhydride modified ethylene-vinyl acetate copolymer.

- OREVAC® 18211 has been designed to develop a reliable bonding strength in coextrusion processes between polyethylene or ethylene copolymers and different materials among which polyamides, PS, EVOH and PET.
- OREVAC® 18211 can be processed within different extrusion and coextrusion technologies including cast film, blown film, sheet calendaring, blow molding, tube extrusion.

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	75
Vicat Softening Temperature (10N)[1]	ISO 306 / ASTM D1525	°C	51
Density	ISO 1183 / ASTM D1505	g/cm^3	0.95

[1]: On compression molded samples.

Processing

OREVAC® 18211 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	220-230°C	220-230°C

A maximum melt temperature of 240°C is recommended. Higher processing temperature may thermally degrade OREVAC® 18211 and release corrosive by-products such as acetic acid. Final profile and settings will depend on the line and the multi-layer structure being run.

Storage, Handling & Safety

OREVAC® 18211 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.