

OREVAC[®] 18750

OREVAC[®] 18750 is a maleic anhydride grafted polypropylene.

- OREVAC[®] 18750 is a tie resin to be used in extrusion coating and extrusion lamination technologies. It has been designed to develop adhesion in these processes onto substrates like aluminum foil (*), paper or PP films and in coextrusion with resins like PP and PA.
- OREVAC[®] 18750 exhibits excellent processing properties, particularly regarding drawability, neck-in and melt stability. In addition to adhesive properties, the special formulation of OREVAC[®] 18750 allows to design aluminum lids for PP or PP coated cups and containers with controlled opening forces.

Typical Properties

	Test Method	Unit	Typical Value
Melt Index (230°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	35
Melting Point	ISO 11357-3	°C	160
Density	ISO 1183 / ASTM D1505	g/cm ³	0.92
Vicat Softening Temperature (10N) ¹	ISO 306 / ASTM D1525	°C	121
Tensile modulus ¹	ISO 527-2 / ASTM D638	MPa	500
Tensile strength at yield ¹	ISO 527-2 / ASTM D638	MPa	16
Elongation at break ¹	ISO 527-2 / ASTM D638	%	>700

¹: On 25 µm films



Processing

OREVAC® 18750 is not corrosive and is readily processed with standard polyolefin equipment. Conditions typically used in extrusion of polypropylene resins are suitable. Typical extrusion temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Fittings-Channels	Die
200-220°C	220-250°C	250-275°C	275°C	275°C	275°C

Final profile and settings depend on the line and the multi-layer structure being run. Although it is not necessary for short runs, it is recommended to dry OREVAC® 18750 pellets prior to extrusion in order to reduce die build-up during long runs. Typical drying conditions would be from 2 to 4 hours at 80-90°C under dry air.

Storage, Handling & Safety

OREVAC® 18750 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.

