

# OREVAC<sup>®</sup> 18751

OREVAC<sup>®</sup> 18751 is a maleic anhydride grafted polypropylene.

- OREVAC<sup>®</sup> 18751 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 aluminium foil, paper or PP films and in coextrusion with resins like PP and PA.
- OREVAC<sup>®</sup> 18751 exhibits excellent processing properties, particularly regarding drawability, neck-in and melt stability. In addition to adhesive properties, OREVAC<sup>®</sup> 18751 allows to design aluminium 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 <sup>3</sup>	0.91
Vicat Softening Temperature (10N) <sup>1</sup>	ISO 306 / ASTM D1525	°C	138
Tensile modulus <sup>1</sup>	ISO 527-2 / ASTM D638	MPa	650
Tensile strength at yield <sup>1</sup>	ISO 527-2 / ASTM D638	MPa	22
Elongation at break <sup>1</sup>	ISO 527-2 / ASTM D638	%	500

<sup>1</sup>: On 25 µm films

## Processing

OREVAC® 18751 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 will 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® 18751 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® 18751 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 the OREVAC® 18751 is available upon request to your SK Functional Polymer representative.

## Shelf Life

Three years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

*The information above is believed to be accurate and represents the best information currently available to us. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to SK Corporation's standard terms and conditions of sale, copies of which are available upon request and which are part of SK Functional Polymer invoices and/or order acknowledgments. Except as expressly provided in SK Corporation's standard terms and conditions of sale, SK Corporation makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and SK Corporation assumes no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. SK Functional Polymer is a subsidiary of SK Global Chemical.*