

OREVAC[®] 18780

Provisional Technical Data Sheet

OREVAC[®] 18780 is a maleic anhydride grafted polypropylene.

- OREVAC[®] 18780 has been designed to develop a reliable bonding strength between polypropylene (homopolymer or copolymer) and barrier layers such as polyamides and EVOH.
- Containing a higher amount of grafted reactive functionalities compared to standard PP-based tie resins, Orevac[®] 18780 is to be dry-blended with PP prior to extrusion.
- OREVAC[®] 18780 is recommended for rigid packaging manufacturing, through processes such as blow moulding, cast coextrusion, or thermoforming.

Please contact your SK Functional Polymer sales representative for further information.

Typical Properties

	Test Method	Unit	Typical Value
Melt Index (230°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	18
Melting Point	ISO 11357-3	°C	147
Density	ISO 1183 / ASTM D1505	g/cm ³	0.88

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Processing

OREVAC® 18780 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
210-220°C	220-230°C	230°C	230°C	240°C	240°C

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

Storage, Handling & Safety

OREVAC® 18780 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® 18780 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.

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