

# OREVAC<sup>®</sup> T 9304

OREVAC<sup>®</sup> T 9304 is a random ethylene-vinyl acetate-maleic anhydride terpolymer (EVA-MAH).

- As an ethylene copolymer, OREVAC<sup>®</sup> T 9304 is compatible with PE in all proportions, and with most ethylene copolymers.
- Vinyl acetate brings softness, flexibility and polarity while maleic anhydride brings reactivity, leading to versatile adhesive properties to polar and non-polar substrates.
- As a result of high-pressure polymerisation in tubular reactor, OREVAC<sup>®</sup> T 9304 also exhibits high transparency (low haze).

OREVAC<sup>®</sup> T 9304 is compatible with most tackifying resins and waxes and can be used in hot melt adhesives formulations. OREVAC<sup>®</sup> T 9304 is also suitable to produce thermo-adhesive films for solid substrates like PA, PET & PU films, aluminium foils, fiber mats, foams... OREVAC<sup>®</sup> T 9304 can also be used as a tie layer between polyethylene and polyamide in blown film co-extrusion.

## Typical Properties

	Test Method	Unit	Typical Value
Vinyl Acetate Content	FTIR (internal method)	%. -wt.	25
Maleic Anhydride Content	FTIR (internal method)	ppm	1600
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	7.5
Melting Point	ISO 11357-3	°C	80
Density	ISO 1183 / ASTM D1505	g/cm <sup>3</sup>	0.94
Vicat Softening Temperature <sup>1</sup>	ISO 306 / ASTM D1525	°C	49
Ring & Ball Temperature	ASTM E28	°C	150
Elongation at Break <sup>1</sup>	ISO 527-2 / ASTM D638	%	700
Tensile Strength at Break <sup>1</sup>	ISO 527-2 / ASTM D638	MPa	26
Hardness Shore A <sup>1</sup>	ISO 868 / ASTM D2240		82

<sup>1</sup>: On compression molded samples.

*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.*

## **Processing**

OREVAC® T 9304 can be processed on most conventional equipment used for thermoplastics. It is recommended to avoid overheating above 230°C and to purge the equipment after a run is completed.

## **Storage, Handling & Safety**

OREVAC® T 9304 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 OREVAC® T 9304 are 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.*