

OREVAC[®] 18603

OREVAC[®] 18603 is a reactive ethylene-methyl acrylate copolymer.

- OREVAC[®] 18603 has been designed to coextrusion application with polyethylene, ethylene copolymers, polyamides, EVOH, PET and PS
- OREVAC[®] 18603 can be also be used as a coupling agents for HFFR compounds as well as impact modifiers for polyamides.

Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	3.0
Melting Point	ISO 11357-3	°C	92
Vicat Softening Temperature (10N) ¹	ISO 306 / ASTM D1525	°C	<40
Density	ISO 1183 / ASTM D1505	g/cm ³	0.95

¹: On compression molded samples.

Processing

OREVAC® 18603 can be processed with standard polyolefin equipment over a wide range of temperature, up to 300°C. For instance, when extruded through sheet coextrusion, temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Fittings-Channels	Die
150 - 170°C	170°C	170°C	170°C	170°C	170°C

Final profile and settings depend on the line and multilayer structure being run.

Storage, Handling & Safety

OREVAC® 18603 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.

Due to its physical properties (Vicat temperature <40°C), caking may be possible.

Safety data sheet as well as information on handling and storage of the OREVAC® 18603 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.