

LOTADER[®] 18603T

LOTADER[®] 18603T is a random ethylene – methyl acrylate - maleic anhydride terpolymer.

- LOTADER[®] 18603T has been designed for coextrusion applications with polyethylene, ethylene copolymers, polyamides, EVOH, PET and PS.
- LOTADER[®] 18603T can also be used as a coupling agent for HFFR compounds, or as impact modifier for polyamides.
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LOTADER[®] 18603T is compatible with most tackifying resins and waxes and can be used in hot melt adhesives formulations. LOTADER[®] 18603T is also suitable to produce thermo-adhesive films for solid substrates like PA, PET & PU films, aluminum, foils...

Typical Properties

	Test Method	Unit	Typical value
Methyl Acrylate Content	FTIR (internal method)	%.-wt.	29
Maleic Anhydride Content	FTIR (internal method)	%.-wt.	0.5
Melt Index (190°C / 2.16 kg)	ISO 1133 / ASTM D1238	g/10min	3.5
Melting point	ISO 11357-3 / ASTM D3418	°C	92
Density	ISO 1183 / ASTM D1505		0.95
Vicat softening temperature (10N) ⁽¹⁾	ISO 306 / ASTM D1525	°C	<40

¹: On compression molded samples.

Processing

LOTADER® 18603T 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

Storage, Handling & Safety

LOTADER® 18603T 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), it may be possible that the product shows some caking. This is particularly true during summertime.

Safety data sheet as well as information on handling and storage of LOTADER® 18603T 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.