

LOTADER[®] 18603T

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

- LOTADER[®] 18603T has been designed to coextrusion application with polyethylene, ethylene copolymers, polyamides, EVOH, PET and PS.
- LOTADER[®] 18603T can also be used as a coupling agents for HFFR compounds as well as impact modifiers 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
Melt Index (190°C / 2.16 kg)	ISO 1133 / ASTM D1238	g/10min	3.0
Melting point	ISO 11357-3	°C	92
Density	ISO 1183 / ASTM D1505	g/cm ³	0.95
Vicat softening temperature (10N) ⁽¹⁾	ISO 306 / ASTM D1525	°C	<40

¹: On compression molded samples.

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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 summer time.

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.

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