

# LOTADER<sup>®</sup> 18603T

LOTADER<sup>®</sup> 18603T is a random ethylene – methyl acrylate - maleic anhydride terpolymer.

- LOTADER<sup>®</sup> 18603T has been designed for coextrusion applications with polyethylene, ethylene copolymers, polyamides, EVOH, PET and PS.
- LOTADER<sup>®</sup> 18603T can also be used as a coupling agent for HFFR compounds, or as impact modifier for polyamides.
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LOTADER<sup>®</sup> 18603T is compatible with most tackifying resins and waxes and can be used in hot melt adhesives formulations. LOTADER<sup>®</sup> 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) <sup>(1)</sup>	ISO 306 / ASTM D1525	°C	<40

<sup>1</sup>: 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.

