

# LOTADER® 9307YT

LOTADER® 9307YT is a random ethylene-vinyl acetate-maleic anhydride terpolymer (EVA-MAH).

- As an ethylene copolymer, LOTADER® 9307YT 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 polymerization in tubular reactor, LOTADER® 9307YT also exhibits high transparency (low haze).

LOTADER® 9307YT is suitable to produce thermo-adhesive films for solid substrates like PA, PET & PU films, aluminum foils, fiber mats, foams... LOTADER® 9307YT can also be used as a skin packaging adhesive on all type of cardboard.

## Typical Properties

	Test Method	Unit	Typical value
Melt Index (190°C / 2.16 kg)	ISO 1133	g/10min	10.5
Vinyl Acetate content	FTIR (Internal Method)	% wt.	14
Maleic Anhydride content	FTIR (internal method)	%	0.16
Melting point	ISO 11357	°C	93
Density	ISO 1183 / ASTM D792	g/cm <sup>3</sup>	0.94
Vicat softening temperature (10N) <sup>1</sup>	ISO 306	°C	66
Tensile strength at break <sup>1</sup>	ISO 527 / ASTM D638	MPa	19
Elongation at break <sup>1</sup>	ISO 527 / ASTM D638	%	800
Hardness Shore A <sup>1</sup>	ISO 868		91
Ring & Ball temperature	ASTM E28	°C	145

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

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## Processing

LOTADER® 9307YT 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

LOTADER® 9307YT should be stored in a ventilated area, away from heat, humidity and direct sunlight. Improper storage conditions may cause degradation and could have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of LOTADER® 9307YT are available upon request to your SK Functional Polymer representative or at [www.sk-fp.com](http://www.sk-fp.com).

## Shelf Life

Three years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.