

LOTADER[®] 9305T

LOTADER[®] 9305T is a random ethylene-vinyl acetate-maleic anhydride terpolymer (EVA-MAH).

- As an ethylene copolymer, LOTADER[®] 9305T 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.

LOTADER[®] 9305T is compatible with most tackifying resins and waxes and can be used in hot melt adhesives formulations. LOTADER[®] 9305T 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
Vinyl Acetate content	FTIR (Internal Method)	% wt.	28
Maleic Anhydride content	FTIR (internal method)	ppm	6400
Melt Index (190°C / 2.16 kg)	ISO 1133 / ASTM D1238	g/10min	180
Melting point	ISO 11357-3	°C	68
Density	ISO 1183 / ASTM D1505	g/cm ³	0.94
Vicat softening temperature (10N) ⁽¹⁾	ISO 306 / ASTM D1525	°C	<40
Ring & Ball temperature	ASTM E28	MPa	92
Elongation at break ⁽¹⁾	ISO 527-2 / ASTM D638	%	800
Tensile strength at break ⁽¹⁾	ISO 527-2 / ASTM D638	MPa	5.5
Hardness Shore A ⁽¹⁾	ISO 868 / ASTM D2240		75

¹: On compression molded samples.

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Processing

LOTADER® 9305T 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® 9305T 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® 9305T 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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