

ENCOR® 4103

ADHESIVES

ARKEMA COATING RESINS

ENCOR® 4103 is an acrylic latex, free from solvents, plasticizers and APE surfactants.

Product Application details ENCOR® 4103 is designed to be used as a tackifier in the production of waterborne pressure sensitive adhesives. This product finds application in the manufacturing of self-expandable foam tapes.

Performance Benefits

- Outstanding tack

Polymer Type

- Acrylic Copolymer

Sales Specifications	Solid Content at 105°C, % (ISO 3251)	49 - 51
	pH (ISO 976)	6.5 - 8.0
	Viscosity at 23°C, mPa.s (Brookfield RVT, 20rpm) (ISO 2555)	20 - 150

Other Characteristics¹	Stabilizing system	A
	T _g (DSC), °C	- 45
	Density / Specific Gravity at 23°C, g/ml (ISO 2811)	1.04
	Average Particle size, nm (ISO 13321)	230

¹ The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

Typical Adhesive Properties¹	180° Peel after 24h on SS, N/25mm (FTM 1)	3,5 CF
	Loop tack on SS, N (FTM 9)	9,0 CF
	Shear adhesion from SS, minutes (FTM 8 / 250g, 1 in ²)	15

Test settings: Backing: PET 50 µm ; Coating weight: 20g/m² ; SS: Stainless Steel; CF: cohesive Failure

Formulation Guidelines The product does not contain any defoamer. According to the involved coating system and the final application, addition of specific defoamers can be required. Compatibility has then to be carefully checked in advance.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 4103 should be stored indoors in the original, unopened and undamaged container, in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided.

The product is protected to prevent any microbial deterioration during normal conditions of storage but care should be taken to avoid accidental contamination during subsequent handling and processing.

In the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date

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Arkema Coating Resins

420, rue d'Estienne d'Orves

92705 Colombes Cedex - France

arkema.com - arkemacoatingresins.com

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