

ENCOR® 1248 S

TEXTILE & NONWOVENS

ARKEMA COATING RESINS

ENCOR® 1248 S is a self-crosslinking acrylic polymer, free from APEO surfactants and solvents, that provides a transparent, medium hand stiffness and tackiness free film.

Product

Application details ENCOR® 1248 S can be used for technical textile applications and for nonwovens. In particular, this polymer is compatible with melamine-formaldehyde resins and with phenolic resins, where it can be successfully used in the formulation with the function of polymeric plasticizer.

Performance Benefits

- Good mechanical properties
- Medium hand stiffness
- Compatible with PF, MF and UF resins

Polymer Type

- Acrylic Copolymer

Sales Specifications

Solid Content at 105°C, % (ISO 3251)	44 - 46
pH (ISO 976)	4.0 - 5.0
Viscosity at 23°C, mPa.s (Brookfield RVT, 100rpm, sp2) (ISO 2555)	40 - 100

Other Characteristics¹

Stabilizing system	A / NI
Tg (DSC), °C	13
Density / Specific Gravity at 23°C, g/ml (ISO 2811)	1.07
Average Particle size, nm (ISO 13321)	140

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

ENCOR® 1248 S is self-crosslinking, at a speed depending on temperature (from 120°C up to 160°C) and nature of the catalyst used.

An indicative curing condition is described in the table below :

CATALYST	AMOUNT	TIME	TEMPERATURE
None	-	3 min	160°C
Ammonium chloride (25% solution)	2%	1 - 3 min	145°C
Oxalic acid (25% solution)	2%	3 - 4 min	130°C

Formulation Guidelines

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 1248 S 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.

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

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

See SDS for Health & Safety Considerations.

The products described in the document are not Medical grades designated for Medical Device applications.

Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications. Arkema has designated Medical grades to be used for Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications. In addition, except for limited cases as determined by the Medical Device Policy, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days.

For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

Arkema Coating Resins

420, rue d'Estienne d'Orves

92705 Colombes Cedex - France

arkema.com - arkemacoatingresins.com

ARKEMA
INNOVATIVE CHEMISTRY