

TECHNICAL DATA SHEET

ENCOR[®] 1246 S (Formerly E10046)

Acrylic dispersion



Formaldehyde-free*

PRODUCT APPLICATION DETAILS

ENCOR[®] 1246 S is a self-crosslinking APE free acrylic binder that gives a transparent, soft and almost tack-free film upon drying.

ENCOR[®]1246 S meets all the technical requirements of the pigment printing formulations, but can also be used for other textile and nonwoven applications calling for soft hand and chemical resistance.

SALES SPECIFICATIONS

| | CHARACTERISTICS | METHODS |
|---|-----------------|----------|
| Solid content (105°C) | 44 - 46 % | ISO 3251 |
| pH | 5.5 - 6.5 | ISO 976 |
| Viscosity (Brookfield RVT, 100rpm) (23°C) | 50 - 150 mPa.s | ISO 2555 |

OTHER CHARACTERISTICS¹

| | CHARACTERISTICS | METHODS |
|------------------------------------|-----------------|-----------|
| Stabilizing system | A / NI | - |
| Glass transition temperature (DSC) | - 12 °C | - |
| Density | 1.07 g/ml | ISO 2811 |
| Average particle size | 200 nm | ISO 13321 |

*Product formulated without formaldehyde or formaldehyde releasers. During normal conditions of use, this binder does not generate formaldehyde.

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

MARKETS

Coatings & Inks

- Textile & Leather Coating
 - Leather
 - Non Woven

PERFORMANCE BENEFITS

- Soft hand
- Excellent washing resistance
- Excellent firmness under dry and wet rubbing

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FORMULATION GUIDELINES

ENCOR[®] 1246 S crosslinks at a speed depending on the thermal treatment, we suggest 120°C as minimum curing temperature.

ENCOR[®] 1246 S is compatible with organic and inorganic pigments and fillers as well as with the most used synthetic commercial thickeners.

Even if ENCOR[®] 1246 S is formulated with open time modifiers, for long running industrial cycles that bring to significant water evaporation, it is suggested the use of glycols or, in general, of moisture retaining additives for preventing the line dirtiness

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

ENCOR[®] 1246 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. In the above mentioned storage conditions the shelf life of the resin will be from the shipping date.

Shelf Life Durability (Months): 6

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