

Epotal® A 816

Adhesive Raw Materials



Chemical nature

Aqueous dispersion of an acrylate copolymer containing carboxyl groups

Technical data

Solids content	approx. 45 %
pH	approx. 2–3
Viscosity EN ISO 3219	approx. 15–100 mPas
Minimum film forming temperature	approx. 30 °C
Glass transition temperature	approx. 53 °C

For detailed information see Specification Data-Sheet.

Application area

Acrylate copolymer forming non-tacky sealable barrier coatings for various films.

Processing

Epotal A 816 is employed as an acrylic coating for various polymer films, mainly polypropylene or polyethylene.

Epotal A 816 can also be applied as a coating on printed films.

For good adhesion to low-surface films a primer (e.g., Epotal P 350) should be applied.

Epotal A 816 is a barrier coating against fat, grease, mineral oil and aroma chemicals.

Epotal A 816 is a heat-sealable acrylic coating with typical sealing temperatures between 110 and 140 °C.

Epotal A 816 forms a film with excellent clarity, that is non-tacky, but not resistant to blocking.

In order to improve blocking resistance, the product can be formulated with waxes (e.g., Gliding Agent Dispersion 8645) or silica (e.g., Syloid 244 or Levasil 200)

Epotal A 816 can be applied using commonly available application devices such as reverse gravure, curtain coater, or Meyer-bar.

Manufacturers must carefully carry out their own trials when developing products based on Epotal A 816, as there is a host of factors in production and processing that we cannot cover exhaustively in our trials which can influence compatibility with other components, wetting of film, adhesion to different substrates, barrier properties and heat sealability.

BASF SE
Regional Business Unit
Dispersions and Resins Europe
67056 Ludwigshafen, Germany

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