

**Product
Bulletin**

U102

Low-Cost, Aromatic, Polyether Based, Self-Crosslinking, Aqueous, Urethane Dispersion

GENERAL DESCRIPTION

U102 is a highly versatile coatings and adhesive polymer for applications where light-fastness is not critical. Used for back-coatings on fabric where its dry surface and high melting point prevent blocking problems. Excellent for use as a solvent (MEK) reactivatable adhesive for bonding and laminating applications. Compatible with acrylic and other aqueous polymers for optimum cost and performance balance.

CHARACTERISTICS:

- 1.) Medium soft, tough, flexible film.
- 2.) Unusually dry surface for non-blocking.
- 3.) High melting for thermal stability.
- 4.) Can be cross-linked with melamines or aziridines for true thermoset character and increased adhesion.
- 5.) Excellent hydrolytic stability.

SPECIFICATIONS
PHYSICAL CHARACTERISTICS

<u>Mixed Viscosity @ 25°C cps:</u>	<u>50-560</u>
<u>Solids, %:</u>	<u>35</u>
<u>Weight / Gallon, lbs:</u>	<u>8.4</u>
<u>pH:</u>	<u>7.5-8.5</u>
<u>Softening Point, °F:</u>	<u>395</u>
<u>V.O.C.:</u>	<u>1.30</u>
<u>Ultimate Tensile, psi:</u>	<u>4,000 minimum</u>
<u>Elongation, %:</u>	<u>450</u>
<u>100% Modulus, psi:</u>	<u>1,100</u>
<u>200% Modulus, psi:</u>	<u>1,600</u>
<u>300% Modulus, psi:</u>	<u>2,000</u>

APPLICATION

Spray, dip, pad, or gravure as supplied. May be thickened for knife-over-roll or similar methods.

No minimum temperature required for curing. The self-crosslinking character develops on drying, whether at room temperature or in an oven.