
S-1420-L

Water Based Polyurethane Dispersion

Product Description

- APEO/NMP free urethane dispersion
- Adhesion to multiple substrates
- Strong, highly flexible film
- Strengthening additive for high elongation coatings for construction membranes, graphic arts, textiles, and plastics

Product Properties

Solids (%):	31-33
VOC (g/L):	53-55
Gloss (%) @ 60°:	70-90

Film Properties

Tensile (D-882, psi):	4,350
Elongation (D-882, %):	800
Pencil Hardness (D-3363):	6B

Substrate Cross-Cut Adhesion

Cold Roll Steel-unpolished: 5B
Aluminum-untreated: 5B
Brass-untreated: 5B
HDPE-untreated: 0B

ABS-untreated: 0B
Polycarbonate-untreated: 0B
Nylon-untreated: 5B

Chemical Resistance

(5 = no damage. Films dried for 15 minutes at 80°C, then equalized at room temp. for 7 days. Tested using ASTM D-1308)

Water:	5
Acetic Acid:	4
Ammonia:	5
Methyl Ethyl Ketone:	1
2-Propanol:	3
Gasoline:	5

Synthetic Natural Polymers

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