
S-1414-L

Water Based Polyurethane Dispersion

Product Description

- APEO/NMP free urethane dispersion
- Excellent chemical resistance
- Adhesion to a variety of substrates
- Strong, flexible, glossy film for industrial coatings applications

Product Properties

Solids (%):	34-36
VOC (Grams/Liter):	100-125
Gloss (%) @ 60:	80-100

Film Properties

Tensile (D-882, psi):	6,200
Elongation (D-882, %):	420
Pencil Hardness (D-3363):	2B

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:	5
Ammonia:	5
Methyl Ethyl Ketone:	5
2-Propanol:	5
Gasoline:	5

Synthetic Natural Polymers

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