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# S-1412-L

## Water Based Polyurethane Dispersion

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### **Product Description**

- APEO/solvent free urethane dispersion
- Excellent abrasion resistance
- High gloss, flexibility, and adhesion to a variety of substrates
- For use in graphic arts, industrial, paper and textile coatings

### **Product Properties**

Solids (%):	34-36
VOC (g/L):	2.0
Gloss (%) @ 60°:	70-100

### **Film Properties**

Tensile (D-882, psi)	3,400
Elongation (D-882, %):	480
Pencil Hardness (D-3363):	4B

### **Substrate Cross-Cut Adhesion**

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

ABS-untreated: 5B  
Polycarbonate-untreated: 5B  
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:	3
Methyl Ethyl Ketone:	4
2-Propanol:	2
Gasoline:	5

**Synthetic Natural Polymers**

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