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# S-1416-L

## Water Based Polyurethane Dispersion

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### **Product Description**

- APEO/solvent free self-crosslinking urethane dispersion
- Strong, hard, high adhesion film
- Excellent gloss and abrasion resistance
- Fast drying dispersion for formulated coatings top coats

### **Product Properties**

Solids (%):	34-36
VOC (g/L):	2.2-2.6
Gloss (%) @ 60°:	70-100

### **Film Properties**

Tensile (D-882, psi):	3,300
Elongation (D-882, %):	170
Pencil Hardness (D-3363):	4H

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

Cold Roll Steel-unpolished: 5B  
Aluminum-untreated: 1B  
Brass-untreated: 5B  
HDPE-untreated: 0B

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

### **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:	3
Ammonia:	5
Methyl Ethyl Ketone:	5
2-Propanol:	5
Gasoline:	5

Synthetic Natural Polymers

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