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# S-1423-L

## Water Based Polyurethane Dispersion

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### **Product Description**

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

### **Product Properties**

Solids (%):	31-33
VOC (g/L):	55.2
Gloss (%) @ 60°:	87
Charge:	Anionic

### **Film Properties**

Tensile (D-882, psi):	3,120
Elongation (D-882, %):	508
Pencil Hardness (D-3363):	4B
Dry Time (D-5895, min.):	45

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

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

ABS-untreated: 3B  
Polycarbonate-untreated: 0B  
Nylon-untreated: 1B

### **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:	3
2-Propanol:	3
Gasoline:	5

**Synthetic Natural Polymers**

Durham, NC Phone: 919-598-0400

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