

- DESCRIPTION:** A soft, lightfast, aliphatic polyether-based, waterborne urethane resin. Base on APEO and NMP free of **HD-4638**.
- SUGGESTED USES:** **L-2961** was originally designed for leather applications where it can be used as a base, top, or one coat system. It may be used in any coating application where superior flexibility, abrasion resistance, and strength are desired. **L-2961** was designed for use in textile applications as a very versatile urethane. Due to its overall properties, **L-2961** can be used as a finish or a coating for many textile applications. This versatile urethane is ideally suited for use as an anti-fray finish on textile fabrics that must have a soft hand. **L-2961** is also ideally suited for textile coating applications that require excellent low temperature flex crack resistance. The balanced monomer composition provides excellent UV resistance, superior flexibility, very good abrasion resistance, and very good strength properties.
- APPLICATION:** This product can be used as supplied by spray, dip or rotogravure techniques. Can be thickened with appropriate thickeners for knife-over-roll, swabbing or similar methods. Spray or pad -- solids may be adjusted for optimum add-on. May be thickened with **HA-921** for knife coating.
- CHARACTERISTICS:** Self-crosslinking for improved solvent resistance.  
Outstanding flexibility (over 250,000 Bally).  
Good spraying characteristics and strength properties .  
Low organic volatile content  
Superior flexibility and Soft, tough, dry film.  
Excellent UV Resistance.  
Very good abrasion resistance.  
Superior low temperature flex crack resistance.  
High melting point (320 °F).  
APEO and NMP free of **HD-4638**
- DRYING CYCLE:** **L-2961** can be air dried, if desired, depending on the particular application. In normal applications 1 min. at 200 °F and 1 min. at 300 °F is ample.
- CURING:** Excellent strength properties as supplied. Melamine-formaldehyde (3 - 6 phr) provides improved performance.

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# Hauthaway

<b><u>PHYSICAL PROPERTIES</u></b>	<b><u>TENSILE PROPERTIES</u></b>
<b>SOLIDS:</b> 35%(+/- 1%)	(Tested at 20 inches/minute)
<b>VISCOSITY:</b> 50-500 cps	<b>ELONGATION:</b> 625%
<b>pH:</b> 7.5-9.0	<b>ULT. TENS. STR.</b> 4600 PSI
<b>DENSITY:</b> 8.6 lb/gal	<b>100% MODULUS:</b> 800 PSI
<b>SOFTENING POINT:</b> 300 F	<b>200% MODULUS:</b> 1100 PSI
<b>V.O.C. CONTENT:</b> 0.52 lbs/gal	<b>300% MODULUS:</b> 1400 PSI

***PLEASE CONTACT US FOR SPECIFIC RECOMMENDATIONS ON THICKENERS OR CROSSLINKERS.***

**SPECIAL NOTE:** Mix well before removing product from containers. Container lids must be re-sealed tightly with the plastic header film after each use.

**STORAGE STABILITY:** The product must be stored in a controlled environment between 5 – 40°C and protected from direct exposure to sunlight. Shelf-life is 1 year from manufacture date (see lot # for date).

*This information is believed to be accurate but is not guaranteed and we assume no legal responsibility for its accuracy. User should test the product to determine its suitability for their particular purpose. Nothing presented here is to be construed as a recommendation or inducement to use our product. We shall not be liable for any claims for damages, whether based on contract, negligence, and strict liability in tort or otherwise. Our products are sold without any implied warranty of merchantability or fitness for a particular purpose.*

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