

- DESCRIPTION:** A soft, polyether/polyester-based, aliphatic, polyurethane dispersion.
- SUGGESTED USES:** **L-3478** was designed for low-tack, pressure sensitive and industrial laminating adhesive applications. This resin is recommended for any application where a soft, grabby feel is desired.
- CHARACTERISTICS:**
- Produces soft, resilient, flexible films
 - Excellent bond strength
 - Superior low temperature flexibility
 - Low softening point range (210-215 °F)
 - Contains n-methyl pyrrolidone (NMP) co-solvent
- APPLICATION:** **L-3478** may be used as supplied or blended with vinyl acetate/ethylene, styrene butadiene and acrylic emulsions. Rheology may be modified with associative or alkali-swellable thickeners for knife-over-roll, Myer rod or similar methods.
- CURING:** Typical oven drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.
- LAMINATION:** Film, foil and paper substrates with dried coating films based on **L-3478** may be laminated to other surfaces by heat (>215 °F) and pressure (~2 lbs/in²).

PHYSICAL PROPERTIES

| | |
|------------------------|----------------------|
| SOLIDS | 21% ±1 |
| VISCOSITY | 5-250 cps |
| pH | 7.5-9.5 |
| DENSITY | 8.6 lb/gal |
| SOFTENING POINT | 210-215 °F |
| VOC CONTENT | 43 g/l (as supplied) |

TENSILE PROPERTIES

(Tested at 20 inches/minute)

| | |
|-------------------------|-----------|
| ELONGATION | 785 % |
| ULT. TENSILE STR | 2,800 psi |
| 100% MODULUS | 400 psi |
| 200% MODULUS | 540 psi |
| 300% MODULUS | 700 psi |

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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