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Hauthane HD-4670

DESCRIPTION: Ultra-soft, aliphatic, water-borne urethane dispersion.

SUGGESTED USES: **HD-4670** was designed for use in textile applications that require an ultra-soft hand coupled with good strength, abrasion resistance, and excellent resiliency. Due to its overall properties, **HD-4670** can be used as a finish or a coating. This versatile urethane is ideally suited for use as an anti-fray finish on textile fabrics that must have an ultra-soft hand. **HD-4670** is also ideally suited for textile-coating applications that require excellent low temperature flex crack resistance. The extremely low melt temperature also allows **HD-4670** to be used as a heat sealable coating.

CHARACTERISTICS:

- Superior flexibility
- Ultra-soft, resilient, flexible, film
- Excellent UV-resistance
- Good abrasion resistance
- Superior low temperature, flex-crack resistance
- Low melting point (240°F)

APPLICATION: Spray or pad -- solids may be adjusted for optimum add-on.
May be thickened with HA-921 for knife coating.

CURING: No crosslinking suggested for heat seal coatings.
Melamine-formaldehyde (3 - 6 phr) provides improved performance.

PHYSICAL PROPERTIES

| | |
|------------------------|----------------------|
| SOLIDS | 33% (±1) |
| VISCOSITY | 50-500 cps |
| pH | 7.5-10.0 |
| DENSITY | 8.6 lb/gal |
| SOFTENING POINT | 240°F |
| VOC CONTENT | 78 g/l (as supplied) |

TENSILE PROPERTIES

(Tested at 20 inches/minute)

| | |
|-------------------------|-----------|
| ELONGATION | 800 % |
| TENSILE STRENGTH | 3,000 psi |
| 100% MODULUS | 200 psi |
| 200% MODULUS | N/A |
| 300% MODULUS | N/A |