



Owensboro Specialty Polymers, Inc.
Chemistry that Connects, People that Care

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DARATAK[®] 61LT

Adhesive Emulsion

Daratak 61LT is a medium to high viscosity vinyl acetate homopolymer that is borax tolerant. It will accept high levels of fillers and fire retardant additives. Daratak 61LT is compatible with starches and dextrans as well as reactive pigments (Zn, Mg, etc.). It is thixotropic, it builds viscosity but thins when sheared.

Daratak 61LT is stabilized with hydroxyethyl cellulose, which imparts better water resistance than typical vinyl acetate polymers.

Daratak 61LT is used in heat sealing, paper and foil adhesives and in fire retardant mastics. The thixotropic characteristic of this vinyl acetate homopolymer makes it very useful in tub and tile, grout, stucco, and other high viscosity applications. It lends well to trowling.

PRODUCT SPECIFICATIONS

Total Solids	54-56%
pH	4.5-5.5
Viscosity	2000-4000 cps (Brookfield #4 spindle, 60 rpm, 25° C)
Residual Monomer	<1%

TYPICAL LATEX PROPERTIES

Description	Milky white liquid with a slight vinegar odor
Average Particle Size	1.0 microns (approximate)
Weight/gallon, Emulsion	9.1 pounds
Weight/gallon, Solids	9.93 pounds
Specific Gravity	1.19
Mechanical Stability	20+ minutes
Borax Compatibility	Yes
Freeze Thaw Stability	No
Shelf Life Recommendation ¹	1 year
Recommended Storage Temperature	35-85° F

TYPICAL FILM PROPERTIES

Color/Clarity	Clear
Gloss	Medium
Odor	None
Water Resistance	Excellent
Light Stability	Excellent
Aging Characteristics	Excellent
Film Consolidation	Good
Tg	40° C

FDA CLEARANCES

Components of this emulsion comply with FDA regulation 175.105 and 176.170, and 176.180 for use in food packaging, adhesives, and coatings.

1. Maximum recommended shelf life under optimal storage conditions. Shelf life will vary depending on storage conditions.

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