

Technical Data

Everlube® Products

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Everlube® 9420

Water Based, PTFE Solid Film Lubricant

Product Description	
Everlube 9420 is a new generation lubricating coating especially formulated to adhere to today's tougher elastomeric substrates such as EPDM, PVDF, and Viton. This coating is designed to provide a low coefficient of friction and good release properties during production and assembly of rubber and plastic parts. Specifications for this product can be found at: http://www.everlubeproducts.com/products .	
Features / Benefits	
<ul style="list-style-type: none">• Good release properties• Excellent flexibility	<ul style="list-style-type: none">• Good lubricity• Excellent adhesion to elastomeric substrates
Markets	Typical Applications
<ul style="list-style-type: none">• Elastomeric parts• Mechanical components• Industrial machinery• Fabricated metal parts	<ul style="list-style-type: none">• Elastomeric parts• Plastic components• O-rings and seals
Physical Properties	
Lubricating Solids:	PTFE
Binder:	Organic
Color and Appearance:*	Clear (additional colors may be available)
Carrier:	Water borne
Solids (by weight):*	27% to 31%
Density:*	8.8 ± 0.5 lb/gal (1055 ± 60 grams/liter)
Flash Point:	n/a
Volatile Organic Compound:	40.7 grams/liter (0.34 lb/gal)
Theoretical Coverage: ¹	802 ft ² /gal @ 0.5 mils (19.7 m ² /liter @ 12.7 microns)
Alternative or Repair Coatings:	n/a
Processing Information	
Dry Film Thickness	0.5 to 1.2 mils (13 to 30 microns)
Dilution/Cleanup Solvent:	May be thinned with deionized water up to 10% by volume if needed
Dilution Ratio:	Concentrate to 9:1 (product to solvent) by volume
Cure Cycle:	30 min. @ 77°F ± 10°F; then 15 to 30 min. @ 150°F - 250°F
Suggested Pretreatment:	Degrease only
Suggested application Methods:	Spray
For additional information, please see Processing Bulletin #3001	

Typical Functional Properties

	<u>ASTM Test Method</u>	<u>Value</u>
Corrosion Resistance		
Test Panel	ASTM B-117	n/a
Test Panel Coating Method		
Abrasion Resistance	ASTM D-4060	n/a
Coefficient of Friction	ASTM D-2714	0.02 to 0.06
Operating Temperature Range		-100°F to 250°F (-73°C to 121°C)
Load Carrying Capacity	ASTM 2714	<10,000 psi
Wear Life	ASTM 2714	>10,000 cycles

Chemical Resistance (ASTM D-2510, Method C)

Isopropyl Alcohol or Ethyl Alcohol	N/R	Diethanolamine	N/R
Mineral Spirits or Paint Thinner	N/R	Hydrochloric Acid (10%)	N/R
Toluene	N/R	Sodium Hydroxide (10%)	N/R
Acetone	N/R	Distilled Water	Pass
Skydrol 500	N/R	Jet Fuels (JP-4)	N/R
Hydraulic Fluids	N/R	Trichloroethylene	N/R
Anti-Icing Fluids	N/R		

Note: Chemical resistance may vary depending on the cur cycle N/R = Not Recommended

Additional Information

Shelf Life and Storage:

One year from date of shipment, stored in a factory sealed container between the temperatures, 40°F to 100°F. Coatings are thermally stable, but we do not recommend prolonged exposure outside of the specified temperature range listed above

Packaging: Everlube 9420 is available is gallon, quart, and 5-gallon pail

Warranty:

No representation or warranty is expressed or implied and all warranties including warranties of marketability and fitness for use are expressly disclaimed. Nothing herein shall be construed as permission or recommendation to practice a patented invention without a license.

* These tests are performed on each production lot

¹ Based on 100% transfer efficiency at a dry film thickness of 0.0005 inch (12.7 microns).

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