

BONDERITE L-FG ADAG C GRAPHITE DISPERSION

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Product Description

Bonderite L-FG ADAG C is an aqueous-based colloidal dispersion. It contains ultra-fine graphite particles along with a unique stabilizer and binder system. These properties produce excellent lubricity and release, faster wetting, and higher dilution ratios. It remains stable at service temperatures of 600°F and intermittent temperatures as high as 2200°F.

Applications

Bonderite L-FG ADAG C is suitable for a wide variety of applications such as; chain / thread lubricant, assembly lubricant, parting compound, general industrial lubricant, glass coating, impregnate coating, and electrical conductive coating.

Benefits

- Excellent dispersion stability resulting in little or no settling in the concentrate
- Ultra-fine graphite and proprietary binder chemistry produces faster substrate wetting
- Offers higher dilution ratios
- Excellent lubricity and release
- Good thermal stability
- Continual lubrication in extreme pressure areas

Characteristics

Property	Typical Value
Lubricant	Micro graphite
Carrier	Water
Solids Content	21.8 – 22.2 %
pH of Concentrate	10.0 – 14.0
Density	9.3 – 9.4 lbs. / gallon
Specific Gravity	1.12
Viscosity (Brookfield)	100 – 900 cP
Freezing Point	32°F
VOC	0



Method of Use

Dilution

Bonderite L-FG ADAG C is supplied as a concentrate and can be diluted with distilled, demineralized, or soft water prior to use. The dilution ratio varies according to the difficulty of the job and the degree of cooling, from 1:1 to 1:25 depending on the application.

Important: Add water to concentrate, not the reverse. Stir the concentrate thoroughly then slowly add one part water while stirring until the mixture is homogenous. The remaining water may be added rapidly while stirring until the desired dilution and consistency are reached.

Application

Substrates must dry and free of dirt, dust, and grease. No further pretreatment is required, although chemical etching or sandblasting will improve adhesion and wear properties.

For best results Bonderite L-FG ADAG C can be applied by conventional spray, brush, or dip methods. Spray application provides uniform coating thickness, complete die coverage, and lower friction values. In open or recirculating systems ammonia should be added periodically to maintain a pH of at least 10.

Curing

Bonderite L-FG ADAG C will air dry to touch in 10 – 15 minutes depending on room temperature and humidity. For optimum coating properties preheat the substrate to 200 - 350°F before coating or heat to air-dried coated part at 300°F for 5 minutes.

Other Information

Protect from freezing during transit and storage. Always tightly reseal container to prevent contamination or evaporation.

Please refer to Safety Data Sheet for detailed health and safety information.

For more detail on this product or Henkel's capabilities contact your local account representative or Customer Service via the phone number below.



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