



WBL-52

DRY FILM LUBRICANT

WBL-52 is a water-based gel with super-fine synthetic graphite in suspension. When applied, the water evaporates, leaving behind a dry film. WBL-52 is used in heavy industrial applications where high temperatures rule out conventional oil or solvent-based products. The most common applications are cement kiln support rollers, stop blocks and slipper pads. Ideally, the concentrate should be diluted with water at 10:1. At that concentration, WBL-52 is not prone to separation, even over long periods of storage.

Maximum continuous temperature with regular replenishment is 1950°F (1065°C).



WBL-52 should be applied with a hand-held, pump-up sprayer. The long nozzle extension ensures easy and safe application of the fluid.

APPLICATIONS:

- Cement kiln support rollers, stop blocks and slipper pads
- Forging of non-ferrous metals
- Aluminum die casting and extrusion including lubrication of dies and dummy blocks
- Permanent mild chill and sand core coating
- Wire drawing
- Ingot and billet mold coating
- High temperature chains
- Stop-off and anti-weld coating
- Coating for glass forming tools

BENEFITS:

- EXCELLENT WETTING ABILITY - on metal surfaces.
- GRAPHITE PARTICLE SIZE - 1-2 microns. Does not interfere with surface of material being produced.
- ECONOMICAL - dilute with water as required.
- STABLE CONCENTRATE - minimal separation before dilution. After dilution, moderate agitation is beneficial.
- EASY APPLICATION - can be sprayed, brushed, or dipped.
- NONFLAMMABLE AND NON-COMBUSTIBLE.

ASTM #	TYPICAL CHARACTERISTICS	
Gardner Method	Density , lb/gal @ 60°F (15.5°C)	9.00
	Specific Gravity , g/cc @ 60°F (15.5°C)	1.080
D-92	Flash Point , °F (°C) Cleveland Open Cup	N/A
	Graphite Particle Sizes	1-2 Microns
	Solid Content , %	21
	Carrier	Water
	Appearance	Black
	Freeze Point , °F (°C)	32 (0)

The above are average values. A single test result may vary slightly without affecting performance.

Caution:

Do not allow to freeze.

Recommended Dilution:

Initial dilution (1:10), further dilute with water for maximum effectiveness and economy.

Packaging:

Pails

whitmores.com
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