



HIGH TEMPERATURE LUBRICANTS

HF-35H Compound: A synthetic, water based, graphite-free product designed for shallow forging. Premium quality polymers, silicates and other high temperature lubricity additives encourage maximum metal movement by reducing build-up in the die cavity.

Physical Characteristics: Yellow/Green, pourable liquid weighing 1.13 g/l (9.5 lbs/gal) and containing 18% solids.

HF-35G Compound: A modified HF-35H containing graphite for more difficult forgings.

Physical Characteristics: Black, pourable liquid weighing 1.08 kg/l (9.0 lbs/gal) with 31% solids and 15% graphite.

HF-B10 Compound: A graphite-free, aqueous dispersion of additives formulated for use on hot metal working operations. Solutions do not smoke, spatter, burn or give off odors when applied to hot metal surfaces.

Physical Characteristics: Green, thin liquid weighing 1.10 kg/l (9.2 lbs/gal).

HF-5 Compound: Water base, graphite concentrate containing lubricity additives to enhance high temperature die take.

Physical Characteristics: Black, heavy paste weighing 1.31 kg/l (10.9 lbs/gal) with 52% solids and 42% graphite.

HF-70 Compound: Water based compound containing quality polymers and graphite. Formulated for high temperature adhesion.

Physical Characteristics: Black, soft paste concentrate weighing 1.11 kg/l (9.3 lbs/gal) with 26% solids and 20% graphite.



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HF-1025WA Compound: A ready-to-use, water base graphite containing added metal wetters and dispersants used for finish forging where a quality surface is required.

Physical Characteristics: Black, pourable liquid weighing 1.02 kg/l (8.54 lbs/gal) with 5.0% solids content.

HF-1243 Compound Water base compound containing a very high quality electric furnace graphite. Recommended for use on titanium, stainless and other high temperature alloys.

Physical Characteristics: Black, pourable liquid weighing 1.03 kg/l (8.6 lbs/gal) with a 6.0% solids content.

HF-727HBW Compound: Water base concentrated graphite dispersion that will not smoke or give off offensive odors.

Physical Characteristics: Black, semi-fluid paste weighing 1.29 kg/l (10.8 lbs/gal) with a solids content of 50% and graphite content of 45%.

HF-230A Compound: Oil based, concentrated graphite dispersion that exhibits excellent wetting characteristics on the hot die surface.

Physical Characteristics: Black, heavy paste weighing 1.39 kg/l (11.6 lbs/gal) with a solids content of 48% and graphite content of 45%.

Dilution recommendations vary depending on the severity of the forging or extrusion process and method of application. All products are for either spray or swab applications, with the exception of **HF-1243** and **HF-1025 WA**, which are normally sprayed in the "as received" form.