

Castrol Iloform BWN 170

Chlorine free forming oil

Description

Castrol Iloform™ BWN 170 is a chlorine free neat oil designed for the non-cutting shaping and bending of ferrous materials. Compounded with fats and active sulphur additives, Iloform BWN 170 provides extreme pressure lubrication that prevents metal tears in deep drawing operations, extends tool life and improves surface finish.

Application

Iloform BWN 170 is designed for use as a light duty outer lubricant for hydroforming applications on ferrous materials.

Its robust additive package enables the Iloform BWN 170 to be used in a wide variety of drawing, deep drawing, and wire drawing applications.

Iloform BWN 170 is designed to be used as received and can be applied via spray, drip, or flood.

Advantages

- Effective EP lubrication improves tool and die life and cuts downtime and tooling costs.
- Superior adhesiveness provides homogenous lubricating film.
- Demulsifying properties help extend inner lube and cleaner bath life.
- Reliable protection against corrosion.
- Chlorine free and heavy metal free technology improves working environment and supports operator acceptance.

Typical Characteristics

| | Test Method | Unit | Value |
|-----------------------|-------------------------|------------------------------|--------------------|
| Appearance | Visual | – | Clear amber liquid |
| Viscosity | ASTM D445 DIN 51562 | cSt @ 40°C (104°F) | 66 |
| Density @ 15°C (60°F) | ASTM D1298 DIN 51757 | lbs/gal kg/m ³ | 7.6 914 |
| Flash Point | ASTM D92 | COC °F / °C | 369 / 187 |

| Ester | Sulphur | Phosphorous | Chlorine | Other |
|-------|---------|-------------|----------|-------|
| ✓✓✓ | ✓ | ✓✓ | | |

User Advice

Iloform BWN 170 can be easily cleaned using mild alkaline or solvent cleaners.

Iloform BWN 170 is not suitable for use on yellow metals.

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