



lloform FN 90

Chlorine free neat forming oil

Description

Castrol Iloform[™] FN 90 is a medium viscosity, chlorine free forming oil designed specifically for cold heading operations on steel and high alloy steels.

It is a blend of high performance extreme pressure and anti wear additives, in a fully solvent refined paraffinic mineral oil.

Application

Iloform FN 90 is specially formulated for use in high severity operations in high speed, progressive cold heading machines.

It provides outstanding performance in the production of steel and high alloy steel fasteners.

Advantages

- Formulated on solvent refined mineral oil. Does not contain hazardous aromatic constituents, or chlorine.
- Contains high performance extreme pressure additives. Maximises die life and provides excellent surface finish. Minimises costs associated with die repolishing.
- Excellent detergency. Removes metallic fines and particles from dies, eliminating defects associated with particulates. Improved surface finish, reducing scrap and rework costs.
- Excellent wetting characteristics. Reduces drag out rate, hence reduces product consumption.
- Easily filtered in service, to extend service life.
- Excellent oxidation and thermal stability, extending service life.
- Low misting and fuming. Excellent operator acceptance.

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual		Clear Brown Fluid
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	g/ml	0.96
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm²/s	91
Flash Point, PMCC	ASTM D93	°C/°F	160 / 320

User Advice

Iloform FN 90 can be easily cleaned using mild alkaline or solvent cleaners. Iloform FN 90 is not suitable for use on yellow metals.

Additional Information

Additives	Ester	Active Sulphur	Inactive Sulphur	Phosphorous	Chlorine	Other
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Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5° C and 45° C / 41° F and 113° F.

For more details, please refer the product safety data sheet.

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