



## Iloform™ FN 105

Chlorine free neat forming oil

### Description

Castrol Iloform™ FN 105 is a medium viscosity, neat forming oil containing high levels of advanced lubricity, extreme pressure and anti wear additives. It is free of chlorine and Barium.

### Application

Iloform FN 105 is designed specifically for cold heading operations on steel and high alloy steels, particularly suited for use in high severity operations in high speed, multi-stage cold heading machines.

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

### Advantages

- Extreme resistance to pressure and high protection against wear enables long tool and die life and thus cuts downtime and tooling costs
- Excellent detergency removes metallic fines and particles from dies, eliminating defects associated with particulates which improves surface finish, reduces scrap and rework costs
- Superior adhesiveness provides homogenous lubricating film which delivers best surface finish
- Reliable corrosion protection reduces scrap rate
- Excellent wetting characteristics lowers drag out rate, hence reduces product consumption. Easily filtered in service, to extend service life
- Chlorine- and Barium-free technology helps improving the environmental profile and minimising waste disposal costs

### Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear - slightly hazy, dark brown fluid
Density @ 15 °C	DIN 51757	g/ml	0.98
Viscosity @ 40 °C	DIN 51 562	mm <sup>2</sup> /s	105
Flash Point, PM	EN ISO 2719	°C	> 160

Subject to usual manufacturing tolerances.

## User Advice

Iloform FN 105 can be easily cleaned using mild alkaline or solvent cleaners.  
Iloform FN 105 is not suitable for use on yellow metals.

## Additional Information

Additives	Ester	Active Sulphur	Inactice Sulphur	Phosphorous	Chlorine	Other
	√	√	√	√		√

## 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 to the product safety data sheet

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