

Castrol Iloform PN 415

Chlorine free neat forming oil

Description

Castrol Iloform™ PN 415 is a low viscosity, neat forming oil based upon highly refined mineral oils, which incorporate tackiness and high levels of advanced lubricity additives. It is free of chlorine.

Application

Iloform PN 415 has been specifically developed for use as a dual purpose light duty cold heading and machine tool slide lubricant on multi-stage presses. It is particularly recommended for cold heading of steel and non-ferrous parts, such as screws, nuts and bolts.

Iloform PN 415 is also suitable for use in general stamping and thread rolling operations on ferrous and yellow metals.

Iloform PN 415 is designed to be used as received.

Advantages

- Superior adhesiveness provides homogenous lubricating film which delivers best surface finish.
- Excellent wetting properties and low viscosity lowers drag-out consumption.
- Fully compatible with slideway oils.
- Low tendency to fume.
- High resistance to pressure and high protection against wear enables long tool and die life and thus cuts downtime and tooling costs.
- Very good cleanability in alkaline process cleaners minimises impact on downstream cleaning processes.
- Reliable corrosion protection reduces scrap rate.
- Chlorine-free technology helps improving the environmental profile and minimises waste disposal costs.
- Versatile, therefore offers potential for product consolidation.

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	-	Brown liquid
Density @ 15°C	DIN 51 757	kg/m ³	890
Density @ 60°F	DIN 51 757	lb/gal	7.43
Viscosity @ 40°C (104°F)	DIN 51 562	mm ² /s (cSt)	68
Flash Point	ISO 2592	°C / °F	> 180 / > 356

Ester	Sulphur	Phosphorous	Chlorine	Other
✓✓	✓			

User Advice

Iloform PN 415 can be removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol.

Castrol, Iloform PN, and the Castrol logo are trademarks of Castrol Limited, used under licence

INTERNATIONAL All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Ltd products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Castrol Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK
www.castrol.com/industrial