

Castrol Iloform PS 104

Chlorine free neat forming oil

Description

Castrol Iloform™ PS 104 is a water soluble, forming paste, which does not contain inorganic fillers and is chlorine and heavy metal free. It is specifically developed for medium duty deep drawing operations. It is a blend of high performance boundary lubricants, emulsifiers and corrosion inhibitors, in a fully solvent refined paraffinic mineral oil.

Application

Iloform PS 104 is specially formulated for use in single die and progressive die presses for medium duty deep drawing applications. It is suitable for use on steels, aluminium and aluminium alloys, copper and brass.

Iloform PS 104 can be used as supplied or used diluted in water to a minimum concentration of 10%v/v oil to water, for less difficult operations. Forms a stable milky white emulsion in water.

Advantages

- Formulated on solvent refined mineral oil. Does not contain hazardous aromatic constituents. Free from chlorine and heavy metals such as Barium. Lower disposal costs.
- Contains high performance lubricity and anti wear additives. Maximises die life and provides excellent surface finish. Reduces scrap and rework costs as well as minimising costs associated with die repolishing.
- Can be used diluted in water, forming a stable milky emulsion. Economical in use and reduces product consumption.
- Non filled and water soluble, therefore easier cleaning with water based alkali cleaners.
- Versatile and multi metal compatible, therefore offers potential for product consolidation.

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	Visual	Off white paste
Unworked penetration	IP 50	1 mm	260
Density @ 15°C	DIN 51757 ASTM D 1298	kg/m ³	951
Density @ 60°F	Calculated	lbs/gal	7.936
Emulsion		10% in water	Stable, milky white

Ester	Sulphur	Phosphorous	Chlorine	Other
✓✓				✓✓

User Advice

Iloform PS 104 can be easily cleaned using mild alkaline cleaners.

Castrol, Iloform PS, 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