



Product Data

Iloform PN 223 EU

Chlorine free vanishing forming oil

Description

Castrol Iloform™ PN 223 EU is a low viscosity, chlorine and heavy metal free metal stamping fluid. It is a mixture of lubricity additives in a low odour dearomatised hydrocarbon solvent base.

Application

Iloform PN 223 EU can be used in light duty sheet stamping operations where very low residues are required, eliminating the need for inter-process cleaning. The fluid is especially recommended for use in electrical stamping applications as well as on light gauge uncoated steels and zinc coated steels and yellow metals.

Advantages

- Chlorine and heavy metal free which may help to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded
- Fluid based on a low odour dearomatised hydrocarbon solvent
- Contains lubricity additives to maximise punch life and provide excellent surface finish. Helps to minimise the costs associated with tool re-polishing.
- Quick drying, low residue characteristics can eliminate the need for inter-process cleaning
- Fluid gives a thin, homogeneous lubricating film on metal surfaces
- Low viscosity aids flushing effect to remove particles from punches and dies and it can also help to minimise product drag out
- Can provide limited inter-process corrosion protection

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear colourless to yellow liquid
Density @ 15 °C	ASTM D1298	g/ml	0.769
Kinematic Viscosity @ 20 °C	ASTM D445	mm ² /s	1.6
Flash Point, PMCC	ASTM D93	°C	> 62
Copper Corrosion, 3hrs @ 100 °C	ASTM D130	-	1a

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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02 Jan 2015

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