

Castrol Iloform PN 49

Chlorine free vanishing oil

Description

Castrol Iloform™ PN 49 is a low viscosity, chlorine and heavy metal free, metal stamping fluid. It is a blend of high lubricity boundary lubrication additives and wetting agents, in low odour isoparaffinic hydrocarbon.

Application

Iloform PN 49 is specially formulated for use in light duty sheet metal stamping operations where very low residues are required, in most cases eliminating the need for inter process cleaning.

It is suitable for use on most materials including steels, zinc coated steels, aluminium and aluminium alloys, and yellow metals.

Advantages

- Excellent health, safety and environmental profile. Formulated on mild odour, very low aromatic isoparaffinic hydrocarbon and free from chlorinated and heavy metal containing constituents such as Barium.
- Contains high performance boundary lubricants which maximise punch life and provide excellent surface finish. Minimises costs associated with tool repolishing.
- Reliable short term corrosion protection minimises rework costs.
- Quick drying, low residue characteristics can eliminate requirements for inter process cleaning.
- Superior wetting provides thin, homogenous lubricating film.
- Low viscosity. Maximises flushing effect to aid removal of particulates from punches and dies, minimising component defects. Reduces drag out rates hence reduces product consumption.
- Multi metal compatible, allowing for product rationalisation.
- Low odour and improved working environment. Excellent operator acceptability.

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	Visual	Clear colourless fluid
Viscosity @ 20°C	DIN 51 562	mm ² /s	1.9
Viscosity @ 100°F	ASTM D 446	[SUS]	
Density @ 15°C	DIN 51 757 ASTM D 1298	kg/m ³	770
Density @ 60°F	ASTM D 1298	lb/gal	6.4
Flash Point	ISO 2592	°C	60
	ASTM D 92	°F	140
Pour Point	ISO 3016	°C	
	ASTM D 97	°F	
Copper corrosion	DIN 51 759 T1/ASTM D 130	3 h at 100°C	1a

Ester	Sulphur	Phosphorous	Chlorine	Other
✓				

Castrol, Iloform, 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