



Iloform™ CFX 80

High Performance Neat Forming Oil

Description

Castrol Iloform™ CFX 80 is a premium, medium viscosity neat forming oil. It is based on a novel high performance, extreme pressure and lubricity additive package that provides excellent performance without the use of chlorinated additives.

Application

Iloform CFX 80 is designed to be used as a metal deformation lubricant for ferrous materials.

The product is particularly recommended for use in severe drawing and deep drawing operations as well as for fine blanking of carbon steel sheet up to 6 mm thickness.

Iloform CFX 80 is also well suited for a variety of other forming applications, including bar drawing.

Iloform CFX 80 is designed to be used as received.

Advantages

- Formulated without chlorinated paraffins and zinc which may help to fulfil aspects of legislative and waste treatment requirements that specify that these chemicals are excluded
- Contains an innovative high performance extreme pressure additive package that provides high protection against wear to enable long tool and die life and thus cuts downtime and tooling costs
- Excellent adhesion and wetting properties to provide homogenous highly lubricating film. This results in an excellent surface finish and cleanly sheared straight edges, especially on fine blanked components of difficult geometry and sheet metal thickness up to 6 mm
- Reduces waste disposal cost and minimises corrosion risk compared to chlorinated oils
- Mild odour improves operator acceptance
- Can be removed by using alkaline process cleaners, also available from Castrol

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear to slightly hazy, brown liquid
Density 20 °C	ASTM D4052 / ISO 12185	g/ml	0.95
Viscosity 40 °C	ASTM D445 / ISO 3104	mm ² /s	80
Flash Point, COC	ASTM D92 / ISO 2592	°C	200

Subject to usual manufacturing tolerances.

User Advice

Iloform CFX 80 is not recommended for use on yellow metals.

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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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

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