

Castrol Iloform FST X

Neat forming oil

Description

Castrol Iloform™ FST X is a medium viscosity, chlorinated neat forming oil containing high levels of advanced lubricity and extreme pressure additives.

Application

Iloform FST X has been specifically developed for the most difficult metal forming operations, such as deep-drawing, cold pilgering (inner and outer lube), fine-blanking and bending of steel and stainless steel parts.

Iloform FST X is designed to be used as received.

Advantages

- Superior adhesion and wetting properties provide homogenous lubricating film which minimises scrap rate.
- Extreme resistance to pressure and high protection against wear enables long tool and die life and thus cuts downtime and tooling costs.
- Compatible with perchloethylene degreasing application (passed DOW-cooking test).
- Excellent surface finish and cleanly sheared straight edges, especially on fine blanked components of difficult geometry and high sheet metal thickness > 10 mm.

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	-	brown liquid
Density at 15°C	DIN 51 757	kg/m ³	1140
Kinematic Viscosity at 40°C	DIN 51 562	mm ² /s	200
Flash Point	ISO 2592	°C	> 170

Ester	Sulphur	Phosphorous	Chlorine	Other
✓✓		✓✓	✓✓	✓

User Advice

Iloform FST X can be removed by using chlorinated or hydrocarbon solvents and alkaline process cleaners, the latter two also available from Castrol.

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