

Castrol Iloform PN 130

Neat forming oil

Description

Castrol Iloform™ PN 130 is a medium viscosity multi-purpose forming oil for heavy duty operations, used on a variety of medium and high tensile steels. The product combines medium chain chlorinated and sulphur extreme pressure additives to provide excellent anti-wear properties leading to improved tool life.

Application

Iloform PN 130 was developed initially for deep drawing stainless steel in multi-stage transfer presses. It is however a multi-purpose forming fluid and can be used successfully in a wide range of operations such as pressing, stamping and piercing.

Iloform PN 130 can additionally be used in fine blanking operations on medium and low carbon steels, wherever the requirement is cleanly cut surfaces and of high dimensional accuracy.

Advantages

- High level of additional lubricity and extreme pressure properties to provide excellent surface finish
- Applied by all conventional methods
- Facilitates a clean shearing action and ensures high dimensional accuracy with excellent workpiece quality
- Protects metal surfaces against corrosion between operations
- Extreme pressure additives to cater for the most arduous deep drawing operations
- Enhances the life of blanking tools

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	-	Clear brown liquid
Density at 15°C	ISO 3675, ASTM D1298	kg/m ³	1031
Kinematic Viscosity at 40°C	ISO 3105, ASTM D445	mm ² /s	120
Flash Point (PMC)	ISO 2719, ASTM D93	°C	174
Pour Point	ISO 3016, ASTM D97	°C	-12
Neutralisation Number	ASTM D664	mgKOH/g	10,3
Copper Corrosion	ISO 2160, ASTM D130	-	4b
4-Ball Weld Load	ASTM D2783	N	4000

Ester	Sulphur	Phosphorous	Chlorine	Other
✓	✓✓		✓✓✓	

Storage

All packages should be stored under cover. Where outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and the damage to drum markings. Products should not be stored above 60°C, exposed to direct hot sun or freezing conditions.

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