



Ilocut™ 611

Neat cutting Oil

Description

Castrol Ilocut™ 611 (previously called Castrol Neat Cut™ 611) Opaque grey brown fluid, low viscosity lubricant based on a special mixture of fatty polar and boundary lubricants in combination with chlorinated and sulphur bearing extreme pressure additives.

Application

Ilocut 611 is specially designed for both high and low speed tap and thread forming operations on ferrous metals and alloys where metal flow properties, surface finish and tool life are paramount. Can also be used on severe metal cutting operations, drawing and forming of light and medium gauge ferrous metals.

Advantages

This unique specially designed lubricant

- Prevents metal/tool welding.
- Reduces pick up on tools and form tap.
- Provides optimum metal flow.
- Reduces operating temperature.
- Provides excellent surface and thread finish.
- Greatly extend tap life.
- Reduces swarf formation.

Typical Characteristics

Test	Method	Unit	Ilocut 611
Appearance	Visual	-	Opaque grey brown fluid
Density @ 30°C	ASTM D4052 / ISO 12185	kg/m ³	970
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	21.0-26.0
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	< 140°C/ < 284°F
Chlorine Content	ASTM D 4927	%	16.2-19.8%
Copper Strip Test (1 hour @ 100oC)	IP 154	-	Class 4
Fat Content	BAM 306	%	18.0-22.0%
Calcium Content	ASTM D 4927	%	1.37 typ.

Subject to usual manufacturing tolerances.

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.

This product was previously called Ilocut 611. The name was changed in 2015.

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