

Castrol Iloform BWN 320

Chlorine free neat forming oil

Description

Castrol Iloform™ BWN 320 is a medium viscosity, chlorine and heavy metal free drawing oil. It is specifically developed for drawing medium sized aluminium wire, and for breakdown operations on aluminium rod. It is a blend of high performance boundary lubricants and anti wear additives, in a fully solvent refined paraffinic mineral oil.

Application

Iloform BWN 320 is specially formulated for use in submerged multi –die, or spray multi – die wire drawing machines for drawing of medium to rod size aluminium and aluminium alloy wires.

Iloform BWN 320 is also suitable for medium duty forming applications such as deep drawing, blanking and piercing operations on aluminium and yellow metals.

Advantages

- Formulated on solvent refined mineral oil. Does not contain hazardous aromatic constituents, chlorine containing additives or heavy metals such as Barium. Reduces disposal costs.
- Contains high performance lubricity and anti wear additives. Maximises die life and provides excellent surface finish. Minimises costs associated with die repolishing.
- Excellent detergency. Removes metallic fines and particles from dies, eliminating defects associated with particulates. Improved surface finish, reducing scrap and rework costs.
- Low viscosity. Maximises flushing effect on dies to aid removal of particulates. Reduces drag out rate, hence reduces product consumption.
- Low odour. Excellent operator acceptance.
- Low residues facilitate the annealing of aluminium wire without degreasing.

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	Visual	Clear red/brown fluid
Viscosity @ 40°C	DIN 51562	mm ² /s	130
Viscosity@ 100°F	ASTM D446	[SUS]	
Density @ 15°C	DIN 51757 ASTM D 1298	kg/m ³	890
Density @ 60°F	Calculated	lbs/gal	7.427
Flashpoint	ISO 2592	°C	> 190
	ASTM D92	°F	> 374
Pour Point	ISO 3016	°C	3
	ASTM D97	°F	37.4
Copper corrosion	DIN51 759 T1/ASTM D130	3 h at 100°C	1a

Ester	Sulphur	Phosphorous	Chlorine	Other
✓				

User Advice

Iloform BWN 320 can be easily cleaned using mild alkaline or solvent cleaners.

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