



Iloform PS 158

Chlorine free forming paste

Description

Castrol Iloform™ PS 158 is a water soluble, forming paste, which is chlorine and heavy metal free. It is specifically developed for heavy duty deep drawing operations. It is a blend of high performance boundary lubricants, inorganic fillers for extreme pressure lubrication, emulsifiers and corrosion inhibitors.

Application

Iloform PS 158 is specially formulated for use in single die and progressive die presses for medium duty deep drawing applications. It is suitable for use on steels, aluminium and aluminium alloys. Iloform PS 158 can be used as supplied or used diluted in water to a minimum concentration of 20%v/v oil to water, for less difficult operations. Forms a stable milky white emulsion in water.

Advantages

- Mineral oil free. Does not contain hazardous aromatic constituents. Free from chlorine and heavy metals such as Barium. Lower disposal costs.
- Contains high performance lubricity and anti wear additives, as well as inorganic fillers to provide performance under high temperature and pressure. Maximises die life and provides excellent surface finish. Reduces scrap and rework costs as well as minimising costs associated with die repolishing.
- Can be used diluted in water, forming a stable milky emulsion. Economical in use and reduces product consumption.
- Versatile and multi metal compatible, therefore offers potential for product consolidation.

Typical Characteristics

Name	Method	Units	Iloform PS 158
Product Code			73259
Appearance @ 20C	Visual	-	Semi-consistent white paste
Acid Number	ASTM D974	mg KOH/g	15
Density @15°C	DIN 51757 ASTM D 1298	kgm/m ³	1000
Density @15°C	Calculated	lbs/gal	8.345
Emulsion	Visual	10% in water	Stable, milky white
pH@ 10%	ASTM E70-97 / DIN 51361		9.7

Typical Physical Characteristics

Ester	Sulphur	Phosphorous	Chlorine	Other
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User Advice

Iloform PS 158 can be easily cleaned using aqueous alkaline cleaners.

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 damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing condition

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