



TECHNICAL DATA SHEET

GRODAL DE 110

NEAT FORMING OIL

DESCRIPTION

GRODAL DE 110 is a medium viscosity, chlorine and heavy metal free forming oil designed specifically for cold heading operations on steel and alloy steels. It is designed with high flash and low volatility mineral base oil. It contains high performance EP and antiwear additives.

APPLICATION

GRODAL DE 110 is a high performance oil formulated for high speed, progressive cold heading machines. It provides outstanding performance in the production of high tensile steel nuts and bolts.

BENEFITS

- | Chlorine free.
- | Contains high performance extreme pressure additives. Maximises die life and provides excellent surface finish. Minimises costs associated with die repolishing.
- | Excellent wetting characteristics. Reduces drag out rate, hence reduces product consumption. Easily filtered in service, to extend service life.
- | Provides excellent inter process rust protection.
- | Low misting and fuming. Excellent operator acceptance.

TECHNICAL DATA

Colour & Appearance	:	Brown Liquid
Sp.Gravity @ 30°C	:	0.89
Flash Point COC°C, min	:	200
Viscosity @ 40°C, cSt	:	110
Copper corrosion	:	3a

ADVICE

Store at ambient temperature and away from direct contact of fire. Avoid contact with water.

SAFETY

This oil is unlikely to present any significant health or safety hazard when properly used in the recommended application as well as good standards of industrial and personal hygiene is maintained.

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Supersedes all earlier

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