

Balmerol® Protoform BD 120

Non Staining Type Forming Oil

Technical Data Sheet

Product Description:

Balmerol Protoform BD 120 is a high performance Mineral oil free Neat Lubricant, composed of active EP agents. Balmerol Protoform BD 120 is specially designed for critical operations like, Blanking, Fine Blanking, Deep Drawing and Drawing of sheet metal. Balmerol Protoform BD 120 is inactive to Copper and also works for Steel Wire Drawing

Features & Benefits:

Balmerol Protoform BD 120 is especially formulated to provide following benefits:

- Good Surface Finish
- Extended Tool life
- Good corrosion protection
- Low residues , easy to clean with Industrial cleaners or solvents
- Operator Friendly

Applications / Recommendations:

- Recommended for all grades of steel.
- Used for Blanking, Fine Blanking, Deep Drawing and steel wire drawing.
- Can be diluted with mineral oil or solvent to stamp or blank thinner sheet thickness.
- Can be applied by brushing, rolling, spraying.

Typical Properties:

Balmerol Protoform BD 120	
Properties	Protoform BD 120
Appearance	Clear Transparent Amber oil
Density at 29.5 °C, gm/ml, ASTM D 1298	1.25 ± 0.10
Kinematic Viscosity, cSt @ 40°C, ASTM D 445	120 ± 20
Flash Point, °C, min, ASTM D 92	180
Neutralisation Value, mg KOH/g, max, ASTM D 974	5
Copper Strip corrosion@ 100° C, 3 hrs, ASTM D 130	1b
4 Ball Weld Load, Kgs, min, ASTM D 2783	620

Health and Safety:

Balmerol Protoform BD 120 is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

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