

Balmerol® Protoform XT

Sulphur Free Neat Extrusion Oil

Technical Data Sheet

Product Description:

Balmerol Protoform XT is a chlorinated cold extrusion fluid designed for medium to heavy duty applications. The additive package provides extended tool life and the residual film after the cold heading process is easily degreasable.

Features & Benefits:

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

- No metal pick up on tool.
- Less heat generation which prolongs the life of the oil as well as leads to perfect surface finish of the components.
- Good rust preventive characteristics.

Applications / Recommendations:

- It should be flooded on to the tools in the Die area. On smaller machines, it can be directly applied on the rod or wire

Typical Properties:

Balmerol Protoform XT	
Properties	Protoform XT
Appearance	Dark brown clear liquid
Density at 29.5 °C, gm/ml, ASTM D 1298	1.0 ± 0.10
Kinematic Viscosity, cSt @ 40°C, ASTM D 445	160 ± 20
Flash Point, °C, min, ASTM D 92	180
Copper Strip corrosion@ 100° C, 3 hrs, ASTM D 130	1b

Health and Safety:

Balmerol Protoform XT s 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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