

Balmerol[®] Protocut 312

Neat Oil For Severe Machining

Technical Data Sheet

Product Description:

Balmerol Protocut 312 is a low-misting neat cutting oil, based on a high grade fraction of mineral oil which contains specially selected EP and lubricity additives.

Features & Benefits:

Balmerol Protocut 312 provides the following benefits:

- Less mist, compared to conventional oils. This leads to better workshop atmosphere with respect hygiene and house keeping
- Chlorine free additives
- Optimised ratio of lubricity and EP additives helps to achieve excellent surface finish

Applications / Recommendations:

- Balmerol Protocut 312 is a high performance oil for the machining of difficult to extremely difficult-to machine materials, eg deep hole drilling , gear grinding, broaching

Typical Properties:

| Balmerol Protocut 312 | |
|---|-------------------------|
| Properties | Protocut 312 |
| Colour & Appearance | Dark Brown Clear Liquid |
| Density @ 29.5°C, gm/ml, ASTM D 1298 | 0.85 ± 0.01 |
| Kinematic Viscosity @ 40°C, cSt, ASTM D 445 | 12 ± 3 |
| Flash Point, °C, min, ASTM D 92 | 140 |
| Copper Strip corrosion@ 100° C, 3 hrs, ASTM D 130 | 4 |

Health and Safety:

Balmerol Protocut 312 oil 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:

Balmer Lawrie & Co. Ltd.
SBU: Greases & Lubricants (G&L) Division
P- 43, Hide Road Extension
Kolkata: 700088
www.balmerlawrie.com