

Balmerol® Protocut GG 10R

Low Viscosity Neat Oil For Gear Grinding

Technical Data Sheet

Product Description:

Balmerol Protocut GG 10R is low misting, staining type, chlorine free Neat cutting oil, based on high-grade mineral oil blended with special additive package to improve lubricity, extreme pressure characteristics, cooling and flushing properties.

Features & Benefits:

Balmerol Protocut GG 10R is especially formulated to provide following benefits:

- Better hygiene, workshop cleanliness, consistency of product over use and reduced consumption
- Free of Chlorine , Zinc and other Heavy Metals
- Good filterability
- Low foaming at high pressure
- Synergistic blend of lubricity and Extreme pressure additives help to achieve excellent surface finish
- Enhanced grinding wheel life
- Operator friendly

Applications / Recommendations:

- Recommended for High speed grinding operation, especially for gear grinding.
- Protocut GG 10R is compatible with all types of wheels, eg ceramic, CBN.
- Protocut GG 10R is not recommended for non-ferrous applications.

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Typical Properties:

Balmerol Protocut GG 10R	
Properties	Protocut GG 10R
Appearance	Clear yellowish liquid
Density at 29.5 °C, gm/ml, ASTM D 1298	0.86 ± 0.04
Kinematic Viscosity, cSt @ 40°C, ASTM D 445	10 ± 2
Flash Point, °C, min, ASTM D 92	150
Copper Strip corrosion@ 100° C, 3 hrs, ASTM D 130	4
Neutralisation Value, mg KOH/g, max, ASTM D 974	5
4 Ball Weld Load, Kgs, min, ASTM D 2783	500

Health and Safety:

Balmerol Protocut GG 10R 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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