

# Balmerol® Protomac Series

## Machinery Lubricant

Technical Data Sheet

### Product Description:

Balmerol Protomac Series oils are general purpose machinery lubricant. They are suitably blended from mineral baseoil to provide good oiliness for general lubrication of machineries. Balmerol Protomac Series oils contain additives to impart rust prevention and film strength characteristics. Use of these grades help reduce wear of machine components.

These oils meet IS: 493-1981 specifications. It also meets MIL-L-15016 B specification.

### Applications / Recommendations:

Balmerol Protomac Series oils are recommended for use in the lubrication system of machine tools, textile machinery, jute and all other machinery parts which are lubricated by a thin film of oil. These oils are also used in total loss lubrication system.

### Technical Specification:

Balmerol Protomac Series							
Properties	Protomac 22	Protomac 32	Protomac 46	Protomac 68	Protomac 100	Protomac 150	Protomac 220
Kinematic Viscosity, ASTM D 445, cst @ 40°C	20 -24	29 -35	42 -50	62 - 74	90 - 110	135 - 165	198 - 242
Pour Point, °C maximum, ASTM D 97	- 6	- 6	- 6	- 6	- 6	- 6	- 6
Flash Point COC, °C minimum, ASTM D 92	160	180	190	210	210	210	238
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C	Not worse than 1	Not worse than 1	Not worse than 1	Not worse than 1	Not worse than 1	Not worse than 1	1a
Inorganic acidity, mg KOH/g max, ASTM D 664	Nil	Nil	Nil	Nil	Nil	Nil	Nil

### Health and Safety:

Balmerol Protomac Series oils are 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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