

# Balmerol® Protomac M Series

## General Purpose Machinery Oil

Technical Data Sheet

### Product Description:

Balmerol Protomac M Series Oils are general purpose machinery oils. They are suitably blended from mineral oil base stocks to provide good oiliness for general lubrication of machineries. Balmerol Protomac M Series Oils series oils contain additives to impart rust prevention and film strength characteristics. Use of these grades will help in reducing power consumption, wear and tear of machineries.

### Applications / Recommendations:

- Balmerol Protomac M 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 used in total loss lubrication system.

### Typical Properties:

Balmerol Protomac M Series				
Properties	Protomac 10 M	Protomac 15 M	Protomac 20 M	Protomac 50 M
Colour & Appearance	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Kinematic Viscosity, cst @ 40°C, ASTM D 445	21.19	33.96	48.93	98.97
Flash Point COC, °C minimum, ASTM D 92	190	216	216	242
Pour Point, °C maximum, ASTM D 97	-3	-3	-3	-3
Copper Strip Corrosion, 3 hrs @ 100°C, ASTM D 130	1a	1a	1a	1a
Acidity Total, mg KOH/g, ASTM D 974	Nil	Nil	Nil	Nil

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<b>Balmerol Protomac M Series</b>				
<b>Properties</b>	<b>Protomac 63 M</b>	<b>Protomac 70 M</b>	<b>Protomac 80 M</b>	<b>Protomac 150 M</b>
Colour & Appearance	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Kinematic Viscosity, cst @ 40°C, ASTM D 445	155.65	235.71	338	344.45
Flash Point COC, °C minimum, ASTM D 92	242	242	246	242
Pour Point, °C maximum, ASTM D 97	-3	-3	0	0
Copper Strip Corrosion, 3 hrs @ 100°C, ASTM D 130	1a	1a	1a	1a
Acidity Total, mg KOH/g, ASTM D 974	Nil	Nil	Nil	Nil

### Health and Safety:

Balmerol Protomac M 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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