

Balmerol® Protoquench Series

Quenching Oils

Technical Data Sheet

Product Description:

Balmerol Protoquench Series Oils have been formulated from petroleum basestock having very good thermal and oxidation stability, high boiling points and low volatility. These oils are fortified with carefully selected additives to impart desired quenching rate. Balmerol Protoquench Series Oils conform to IS: 2664 (1980).

Benefits:

- Controls cooling rate
- Exhibits good oxidation and thermal stability
- Protects from rust

Typical Properties:

Balmerol Protoquench Series					
Properties	Protoquench SM Light	Protoquench SM Medium	Protoquench SM Heavy	Protoquench MC	Protoquench - C
Inorganic acidity, mg KOH/g, max.	Nil	Nil	Nil	Nil	Nil
Organic acidity, mg KOH/g, max.	0.1	0.1	0.1	1.3	0.6
Ash % by mass, max.	0.01	0.01	0.01	0.01	-
Pour Point, °C max.	<0	<0	<3	<3	<0
Flash Point (COC), °C, min.	160	180	200	175	175
Kinematic viscosity at 40°C, cSt	11.5 -17.5	24 -36	36 -45	26 -34	20 -24
Saponification value, mg KOH/g	0.5	0.5	0.5	5 -15	-
Cu-strip corrosion test at 100 °C for 3 hours	Not worse than 1	Not worse than 1	Not worse than 1	Not worse than 1	Not worse than 1
Volatility (loss on heating at 150 °C for 2 hours) % by mass, max.	8	4	3	4	4

Health and Safety:

Balmerol Protoquench Series 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