

Balmerol[®] Transformer Oil

High Quality Insulating Oil

Technical Data Sheet

Product Description:

Balmerol Transformer Oil is a high quality insulating oil having high dielectric strength. It meets the requirements of IS: 335 – 1993.

Features & Benefits:

Balmerol Transformer Oil provides the following benefits:

- High dielectric strength
- High flash point
- Low pour point
- Resistant to oxidation
- Free from corrosive chemicals

Applications / Recommendations:

Balmerol Transformer Oil is recommended for use in oil filled transformers, circuit breakers, switches and any other oil immersed electrical equipments.

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Typical Properties:

| Balmerol Transformer Oil | |
|--|---|
| Properties | Typical Value |
| Appearance | Clear, Transperant and free from suspended matter or sediment |
| Density @ 29.5°C, max | 0.83 |
| Kinematic Viscosity at 27 °C, max | 23.59 |
| Interfacial Tension at 27 °C, minimum, N/m | 0.051 |
| Flash Point Pensky - Martin (closed), minimum | 180 |
| Pour Point, °C maximum | - 21 |
| Neutralization value | |
| a) Total acidity, mg KOH/g, max. | 0.011 |
| b) Inorganic acidity / alkalinity | Nil |
| Corrosive Sulphur | Non - Corrosive |
| Electric Strength (breakdown voltage) | |
| a) New unfiltered oil, KV, minimum | 36.5 |
| b) After filtration, KV, minimum | 68.5 |
| Dielectric dissipation factor (tan delta at 90 °C), max | 0.00033 |
| Specific resistance (resistivity) | |
| a) At 90 °C, minimum, ohm - cm | 546 X 10 ¹² |
| b) At 27 °C, minimum, ohm - cm | 6840 x 10 ¹² |
| Oxidation Stability | |
| a) Neutralization value after oxidation, max, mg KOH / g | 0.03 |
| b) Total sludge after oxidation, max | Nil |

Health and Safety:

Balmerol Transformer 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:

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