

Balmerol[®] Prototherm Medium

Heat Transfer Fluid

Technical Data Sheet

Product Description:

Balmerol Prototherm Medium is superior quality heat transfer fluid, blended from highly refined, high viscosity index base oil and fortified with selective additives. The product has outstanding thermal stability for use in wide temperature ranges, both in closed and open heat transfer systems.

Features & Benefits:

Balmerol Prototherm Medium provides the following benefits:

- Excellent resistance to thermal cracking and sludge formation
- Good oxidation stability
- Free from toxicity and obnoxious odour
- Long trouble free service life

Applications / Recommendations:

Balmerol Prototherm Medium is recommended for use in open and closed liquid phase heat transfer system with bulk oil temperature upto 300 °C. The product is suitable for direct and secondary heating in conventional heat transfer operations in plastics, textiles, pharmaceutical, chemical and processing industries.

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Typical Properties:

Balmerol Prototherm Medium	
Properties	Prototherm Medium
Appearance	Clear & Bright
Density @ 30 °C, ASTM D 1298	0.853
Kinematic Viscosity, cSt @ 40° C, ASTM D 445	34.6
Flash Point, COC, °C ASTM D 92	220
Pour Point, °C ASTM D 97	-12
Copper strip corrosion at 100 °C, for 3 hrs, ASTM D 130	1a
Neutralisation No, mg KOH/g, maximum, ASTM D 974	0.1
Specific heat, K cal/Kg °C at 300 °C	0.7

Health and Safety:

Balmerol Prototherm Medium 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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