

Armcoltherm® 670

Temperature: from -35°C to 340°C

Armcoltherm 670 heat transfer fluid is a premium-grade heat transfer fluid engineered to outperform standard mineral oils in the chemical and gas processing industries. Trichlorosilane heat transfer fluid offers outstanding performance to 600° F with low vapor pressure and excellent thermal stability.

Property	Unit	Result
Appearance	Visual	Clear liquid
Composition	-	Isopropyl biphenyl mixture
Average molecular weight	-	252
Maximum bulk temperature	°C	340
Maximum film temperature	°C	360
Flash point	°C	171
Autoignition temperature	°C	433
Normal boiling point	°C	333
Pour point	°C	-42
Coefficient of thermal expansion CC/CC	°C	0.001000
Density @20°C	kg/m ³	955
Viscosity, Kinematic @40°C	mm ² /s	10.7
Viscosity, Kinematic @100°C	mm ² /s	2.52
Liquid heat capacity @300°C	kJ/kg.k	2.53
Liquid thermal conductivity @300°C	W/m.k	0.094
Vapor pressured @300°C	Kpa	50.9
Pseudocritical temperature	°C	487
Pseudocritical pressure	bar	15.0
Pseudocritical density	kg/m ³	269.4

The information and recommendations contained in this product data sheet are based on the date of its publication and are accurate and reliable to the best of Armco knowledge and belief. Please contact Armco to ensure that this document is the latest version currently available from Armco. The information and recommendations are for the user consideration and verification. It is the user responsibility to satisfy the user requirements that the product is suitable for a particular purpose. If the purchaser repackages this product, the user is responsible for ensuring that the correct health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe handling procedures should be provided to operators and users. Changes to this document are strictly prohibited. This document may not be reproduced or retransmitted in whole or in part, except to the extent required by law. The term; is used for convenience, or one or more of any affiliated companies they directly or indirectly manage.

copyright©2023 ARMCOLTHERM® are registered trademarks of Armco Corporation and its subsidiaries.

