

TMC-7300E

TMC-7300E is a clear, colorless, odorless fluid that has utility in a wide variety of applications, including heat transfer, lubricant deposition, electronic testing and cleaning applications. This product is non-flammable, thermally stable, non-ozone depleting, and has a very low global warming potential. It does not contribute to the formation of photochemical smog. It is recommended for use as a replacement for perfluoropolyethers (PFPEs), perfluorocarbons (PFCs), hydrochlorofluorocarbons (HCFCs), and hydrofluorocarbons (HFCs).

On this basis, it provides a useful tool to help meet commitments for greenhouse gas emissions reduction. The boiling point, wide liquid range and low-temperature viscosity of TMC-7300E make it ideal for cooling ion implanters, dry etchers, and CVD machines. It is effective at mitigating the aggressiveness of solvents and is useful in inerting the flammability of blends. The chemical and thermal stability of TMC-7300E lend to its use as a reaction media.

Features

- EQUIVALENT TO 3M[™] NOVEC[™] 7300
- THIRD PARTY LAB TESTED NO PFAS DETECTED
- LOW GLOBAL WARMING POTENTIAL (GWP)
- ZERO OZONE DEPLETION POTENTIAL (ODP)
- NON-FLAMMABLE
- LOW TOXICITY
- RoHS COMPLIANT

Packaging Information

Sold in:

- ➤ 1 gal. Bottle 12 lbs (5 kg)
- ➤ 5 gal. Pail 55 lbs. (25 kg)
- > 55 gal. Drum 550 lbs. (250 kg)

Applications

Heat Transfer - TMC-7300E is ideal as a heat transfer fluid for the demanding requirements of semiconductor processing and electronics equipment. It is designed to balance performance with favorable environmental and worker safety properties. For heat transfer applications, favorable environmental health and safety properties make it a long-term, sustainable solution, helping improve reliability, address environmental concerns, and lower overall operating costs.

Solvent Properties - Data compiled from published information, not compiled specification purposes. It is an excellent replacement for PFCs, HCFCs, and MFCs in many solvent applications. It has shown utility in solvent cleaning applications - both in its neat form, and when blended with organic solvents, and/or other hydrofluoroethers, hydrofluorocarbons and other fluorinated solvents.

Materials Compatibility

TMC-7300E is compatible with most metals and hard polymers.

Metals	Plastics	Elastomers
Stainless Steel	Polycarbonate	EPDM
Nickel	PMMA	Natural Rubber
Copper	ABS	Polyurethane
Aluminum	Polypropylene	
Monel	Polyethylene	

Properties

Clear and Colorless
350
98.0
-38
243
1.88
1.67
15.0
<1
67
45
0.71
3.51
1.18
1140
102
0.0013
0.063
>25
6.14
1011
0
200
3.8
None
None
100

Health & Safety

Be sure to read and follow the precautions and directions for use contained in the product label and Safety Data Sheet before using this product. It is nonflammable and is highly resistant to thermal breakdown and hydrolysis in storage and during use. Recommended handlig procedures are provided in the Safety Data Sheet.



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