

Heat Transfer Fluid

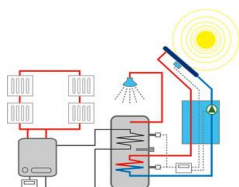
# SERIOLA IL 1120



TOTAL

Synthetic Heat Transfer Fluid

## PRODUCT PROFILE



- Formulated from selective synthetic base fluids to meet indirect heating of closed heat transfer system. Suitable for the system having operational temperatures (-10 to 305°C) to render longer service life.

## APPLICATIONS

- Suitable for domestic & industrial heat transfer system operating up to 305 deg c bulk temperature and film temperature of 360 deg c
- Used in steam & hot water production, Air-conditioning unit and Storage bin temperature control system
- Heat exchanger (counter- current heat exchangers).
- Closed heat transfer systems viz. piping, pumps, etc.
- Heat treatment baths, autoclaves, reaction vessels, furnaces, dies, tunnel dryers, injection molding machines heating
- Manufacturing processes (Textile process house, cement works, paper and timber industry)

## ADVANTAGES

### Longer Service life

- Synthetic nature exhibit high resistance to thermal cracking and oxidation thus helps to attain longer oil service life

### Maintenance free

- Very good solubilisation character helps in keeping the system clean and deposit free thereby ensuring better heat transfer efficiency. No choking of pipes

### Operational benefits

- Superior thermal conductivity nature reduces oil thickening thus maintain the operational efficiency.
- Higher boiling nature helps in reducing evaporation loss thus reduces top up
- Lower pour point helps in quicker start-up in winters and very cold temperatures thus save energy.

### Financial gain

- Higher auto-ignition point reduces risk of fire hazards.
- Miscible & compatible with mineral oil in all proportion.

### TOTAL OIL INDIA PVT. LTD.

Head Office : 3<sup>rd</sup> Floor, The Leela Galleria, Andheri-Kurla Road, Andheri (E), Mumbai - 400 059. Tel. : 022 66407700 Fax : 022 66407720  
 Regional Offices : Chennai Tel. 044 28412790/28412823, Mumbai Tel. 022 25705775/6/7, Noida Tel. 0120 2516794/5/6, Kolkata Tel. : 033 66228200 / 8209

Date 01/12

All reasonable care has been taken to ensure that the information provided here is accurate as of date of printing. However due to continual product development, the information contained herein is subjected to change without notification. MSDS can be obtained from our local representative or can be down loaded from

[www.total.co.in](http://www.total.co.in)

Typical Characteristics	Reference Methods	SERIOLA IL 1120
Density at 29.5°C, kg/l	ASTM D 4052	0.868
Viscosity at 40°C, cSt	ASTM D 445	20.95
Pour point, °C	ASTM D 97	< (-) 36
Auto Ignition Temperature, COC, °C	Internal	380
Conradson Carbon Residue, % by Wt.	ASTM D 189	Nil
IBP, °C	ASTM D 86	327
FBP, °C	ASTM D 86	375
Thermal conductivity @320 °C, Kcal/mhr °C	Internal	0.0945

Above characteristics are mean values given as an information.

---

**TOTAL OIL INDIA PVT. LTD.**

Head Office : 3<sup>rd</sup> Floor, The Leela Galleria, Andheri-Kurla Road, Andheri (E), Mumbai - 400 059. Tel. : 022 66407700 Fax : 022 66407720  
Regional Offices : Chennai Tel. 044 28412790/28412823, Mumbai Tel. 022 25705775/6/7, Noida Tel. 0120 2516794/5/6, Kolkata Tel. : 033 66228200 / 8209

Date 01/12

All reasonable care has been taken to ensure that the information provided here is accurate as of date of printing. However due to continual product development, the information contained herein is subjected to change without notification. MSDS can be obtained from our local representative or can be down loaded from [www.total.co.in](http://www.total.co.in)