

TM 150LM Liquid Metal Product Datasheet

High Reliability
High Thermal Conductivity
Zero Internal Stress

Description

TM 150LM is a high-viscosity liquid metal formulated for TIM1, TIM1.5, and TIM2 thermal interface applications. It exhibits minimal bond line thickness (BLT), enabling very low thermal resistance and superior heat dissipation in high-power electronic devices. The material maintains increased viscosity at elevated operating temperatures, providing improved mechanical stability and reliability relative to traditional liquid metals. TM 150LM is compatible with printing and dispensing processes, supporting ease of integration into standard assembly workflows.

Typical Physical Properties

Product Name	TM 150LM Liquid metal
PROPERTIES OF UNCURED MATERIAL	
Alloy	Ga
Melting Point (°C)	18-19
Specific Gravity (ASTM D 1475-60)	30-60
Thermal conductivity (W/mK, depending on BLT)	30-60

Extractable ions (MIL-STD-883E)	
Na+	<5ppm
K+	<5ppm
F-	<5ppm
Cl-	<10ppm

Storage & Shelf Life

12 months provided materials are kept in a sealed original container at room temperature. Storage beyond this period can produce higher viscosity. Protect from moisture, evaporation and foreign materials. Process ability of these products can be adversely affected by evaporation and contamination.

Safety

TM150LM is a friendly, non-toxic material. However, general hygiene practice is recommended when handling this material. For detailed information please consult our SDS.

Package

TM 150LM liquid metal is available in 10cc and 30cc. Other packages are available depending upon customer's request. Contact YINCAE for order information.