MCP 16 – Metspec 60 Alloy

Updated 2026-09

Summary Data for Three Eutectic Gallium Alloys

	MCP 11 - Metspec 51	MCP 16 - Metspec 60	MCP 21 - Metspec 69
Analysis	66% Ga 20.5% In 13.5% Sn	78.6% Ga 21.4% In	86.3% Ga 13.7% Sn
Eutectic Temperature	10.7°C (51.3°F)	15.8°C (60.4°F)	20.5°C (68.9°F)
Density Solid Liquid	 6.4 g/cm^3 6.3 g/cm^3	 6.2 g/cm^3 6.1 g/cm^3	 6.2 g/cm^3 6.0 g/cm^3
Specific Heat Liquid, ^{T}eut to 20°C Solid, 0°C to ^{T}eut Latent heat of fusion	 0.34 J/g°C 0.32 J/g°C 67.8 J/g	 ---- ---- ----	 ---- ---- ----
Electrical Resistivity Liquid, at 20°C Solid, at 0°C	 29.4 x 10^{-6}ohm cm 29.1 x 10^{-6}ohm cm	 ---- ----	 ---- ----
Thermal Coefficient Liquid Solid	 +0.05%/°C +0.34%/°C	 ---- ----	 ---- ----
Vapour Pressure Estimate	10^{-33} mm @ 10.7°C or 51.3°F (Will not exceed 10^{-6} until above 700°C)	----	----

*Complex behavior noted near the eutectic temperature and in the super cooled liquid.

Storage and Use

Store products in their original packaging.
Wear protective equipment recommended by the Safety Data Sheet.