

PRODUCT SPECIFICATION SHEET

Vertex Material Industry Copper- Graphite Composite Material

GENERAL INFORMATION

Property	Details
Material Name	Copper Graphite 1001
Material Type	Copper Graphite Composite
Manufacturer	Vertex Material Industry Sdn Bhd
Description	High-performance Copper Graphite composite material, engineered to combine electrical conductivity, thermal conductivity, self-lubrication, low maintenance, and wear resistance
Application	Suitable for demanding industrial application

CORE SPECIFICATION

No	Property	Specification
1	Bulk Density	6.4 g/cm ³
2	Hardness	30HSS
3	Electrical Resistivity	0.32× 10 ⁻⁷ uΩm
4	Contact Voltage Drop	Very Low (VL)
5	Flexural Strength	108MPa
6	Friction Coefficient	Medium (M)
7	Maximum Peripheral Speed	25 m/s
8	Maximum Current Density	20 A/cm ²

Disclaimer

All information provided is for reference only and is subject to change without notice. Specifications are typical values and may vary depending on application and operating condition. No warranties, express or implied, are made regarding accuracy or suitability. Users are responsible for verifying performance for their intended use.