

Carbon Materials with Ultra-High Density and High Strength (Metaphite) Characteristics Table

Attention: Artificial graphite is subject to export control. Therefore, you would need to obtain export license from Ministry of Economy, Trade and Industry (METI) of Japan, if you want to export them to countries outside of Japan by yourselves.

品種		Bulk Density (g/cm ³)	Tensile Strength (MPa)	Shore Hardness (HSD)	Thermal Conductivity (W/m·K)	Maximum Grain Size (mm)	Bending Strength (MPa)	Resistivity (μΩ·m)	Coefficient of Thermal Expansion (×10 ⁻⁶ /K)	Ash (%)	Maximum Block Size (mm)	merit
METAPHITE	MF-307	2.00	51	78	116	-	98	12.5	7.0	0.1	ø465×70	Molded Product with Density 2.0 which is the Highest Density in the World
	MF-307R	1.94	51	105	23	-	98	30.0	7.2	0.4	ø465×70	Molded Product with High Density, High Strength, and High Specific Resistance

1. The above numerical values are representative characteristic values, and are not guaranteed values.
2. Coefficient of Thermal Expansion(CTE): Room Temperature ~ 500°C
3. Unit Conversion: MPa × 10.2→kg/cm² W/m·K × 0.86→kcal/ m·h·°C
4. For inquiries on products for specific use, please consult with our sales personnel for better recommendation.
5. There are other product sizes in addition to those described above.
Please contact Nippon Techno-Carbon for details.