

# Carbon Products for Machinery (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.

Name of material	Bulk Density (g/cm <sup>3</sup> )	Shore Hardness (HSD)	Young's modulus (GPa)	Bending Strength (MPa)	Compressive strength (MPa)	Coefficient of Thermal Expansion (x10 <sup>-6</sup> /K)	heatproof temperature (°C)	corrosion resistance
MF-307R	1.94	105	17	98	196	7.2	—	Acid resistance/ alkali resistance
MF-307	2.00	78	15	98	196	7.0	—	

•The measurement range for coefficients of thermal expansion is from room temperature to 500°C.

## About the Representative Characteristics

- The values represent representative characteristics, and are not guaranteed.
- The heat resistant temperature is based on that of a resin. The heat resistant temperature varies depending on use conditions.
- The corrosion resistance varies depending on use conditions.
- For characteristics not found in the table, contact us.
- The maximum material dimensions vary depending on types. Contact us for details.