

Fluororesin Products Containing Special Filler (Nicaflon) 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	Main Filler	Bulk Density (g/cm ³)	Tensile Strength (MPa)	Young's modulus *1 (GPa)	Hardness *2	Coefficient of Thermal Expansion (CTE) (x10 ⁻⁶ /K)	
						CD	MD *3
L-722	Graphite Fiber	1.91	18	2	65	8.3	14.9
L-725	Glass Fiber	2.23	23	2	60	10.1	13.5
LS-725	Glass Fiber + MoS2	2.29	23	2	59	7.7	12.5
LG-725	Glass Fiber + Graphite	2.23	15	2	58	9.8	13.1
L-730	Graphite	2.10	10	4	59	5.0	16.8
L-739	Carbon	2.02	12	2	65	7.1	10.6
L-749	Carbon	1.93	12	2	63	6.0	8.8
LS-739	Carbon + MoS2	2.10	11	3	60	7.5	10.5

•The measurement range for coefficients of thermal expansion is from 25°C to 200°C.

*1 Measurement through tensile tests

*2 Measurement with durometer D

*3 This is a value measured for the molding direction (MD), while the other values represent values for the direction (CD) perpendicular to the molding direction.

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.