

DATA SHEET GRAPHITE

		EXTRUDED GRAPHITE			
		FCG-1	FXG-1	FXG-2	SD2I3B
SPECIFICATION	UNIT				
Bulk Density	(g/cm ³)	≥ 1.70	≥ 1.70	≥ 1.74	≥ 1.75
Max. Grain Size	mm	2.0	0.8	0.8	0.8
Specific Electrical Resistance	μΩm	≤ 8.5	≤ 7.8	≤ 7.5	8.0 - 8.2
Flexural strength Min.	Mpa	≥ 9	≥ 10	≥ 12	17.5
Compressive Strength	Mpa	≥ 30	≥ 27	≥ 34	38.0
Ash Content	%	≤ 0.3	≤ 0.3	≤ 0.3	0.09
Coefficient of Thermal Expansion	10 ⁻⁶ /°C	≤ 2.5	≤ 2.5	≤ 2.5	2.4
Elastic Modulus	Gpa	≤ 12.0	≤ 9.3	≤ 9.3	-
Shore Hardness Min.	HSD	30	30	30	-
Thermal Conductivity	W/mK	-	-	-	135 - 140
Porosity	%	≤ 25	≤ 22	≤ 20	-