



Technical Data Sheet

Sidewall Blocks

MBLF Series

			Graphitized				100% GP		Graphitic			
Typical Property	Unit	Test Method	Grade GRP		Grade GHD		Grade MBLF-100		Grade MBLF-30		Grade MBLF-10	
Real Density	g/cm³	ISO 21687	≥	2.18	≥	2.19	≥	2.11	≥	1.94	≥	1.90
Bulk Density	g/cm³	ISO 12985.1	≥	1.60	≥	1.68	≥	1.64	≥	1.58	≥	1.57
Electrical Resistivity	μΩ·m	ISO 11713	≤	12	≤	10	≤	22	≤	35	≤	45
Sodium Expansion	%	ISO 15379.1	≤	0.4	≤	0.4	≤	0.5	≤	0.8	≤	1.0
Compressive Strength	MPa	ISO 18515	≥	20	≥	28	≥	28	≥	28	≥	30
Flexural Strength	MPa	ISO 12986.1	≥	7	≥	10	≥	7	≥	7	≥	7
Total Porosity	%	ISO5017	≤	27	≤	23	≤	24	≤	19	≤	18
Open Porosity	%	ISO 12985.2	≤	19	≤	15	≤	18	≤	15	≤	15
Thermal Conductivity	W (K · M)	ISO 12987	≥	110	≥	130	≥	30	≥	10	≥	5
CTE	10 ⁻⁶ /K	ISO 14420	≤	4.5	≤	4.5	≤	4.0	≤	4.0	≤	4.0
Ash	%	ISO8005	≤	0.4	≤	0.4	≤	1.2	≤	4.5	≤	7.0

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Updated April 25, 2025