



Sidewall Blocks

Technical Data Sheet Cathode: Grade MBLF Series

Typical Property	Unit	Test Method	Graphitized	100% GP	ECA + GP
			Grade GHP	Grade MBLF-100	Grade MBLF-30
Real Density	g/cm ³	ISO 21687	2.20	2.15	1.94
Bulk Density	g/cm ³	ISO 12985.1	1.65	1.63	1.58
Electrical Resistivity	μΩm	ISO 11713	< 9	< 20	< 38
Compressive Strength	MPa	ISO 18515	> 22	> 24	> 26
Flexural Strength	MPa	ISO 12986.1	> 8	> 8	> 9
Open Porosity	%	ISO 12985.2	< 20	< 23	< 17
Thermal Conductivity	W (K · M)	ISO 12987	> 90	> 35	> 12
Modulus of Elasticity	GPa	YS/T63.13	< 9	< 8	< 9
CTE	-	ISO 14420	< 2.8	< 2.8	< 3.2
Ash Content	%	ISO 8005	< 0.3	< 1.2	< 4.5

Standard Machining Tolerances (+/-): width: 2.0mm height: 3.0mm length: 12.0mm square: 0.4mm