

SIGRAFINE® ABR

Material: Carbon

Forming: Extruded

Application: Fluorine electrolysis

Material data of SIGRAFINE® ABR

Typical properties	Units	Test standards		50 x 200 x 580 mm 50 x 200 x 700 mm
Bulk density	g/cm ³	ASTM C559		1.60
Max. grain size	mm	DIN 66165		0.8
Open porosity	Vol. %	ASTM C604		18
Resistivity	μΩm	ASTM C611	II	46
Dynamic modulus of elasticity	GPa	ASTM C747	II	12.7
Flexural strength [4 points]	MPa	ASTM C651	II	22
Compressive strength	MPa	ASTM C695	II	64
Thermal expansion (20 – 200 °C)	10 ⁻⁶ K ⁻¹	DIN 51909	II	4.5
Ash content	%	DIN 51903		0.2

II parallel to the grain direction.

For any engineering/design purposes please always contact our technical sales team.

