

SF74 Advanced Graphite

Technical Data Sheet 6036

Product Overview

GRAFSTAR™ SF74 advanced graphite is a versatile product generally made according to specific needs and dimensions.

Applications

- Electrolysis
- Anodes

Sizes*

150 x 300 to 600 x 600 mm rectangles

Typical Properties at Room Temperature**

Characteristic	Unit	WG	AG
Density	g/cc	1.63	
Maximum Particle Size	mm	0.76/0.36	
Helium Porosity	%	24	
Permeability	Darcy	0.04	0.025
Specific Electrical Resistance	μΩm	7	11
Thermal Conductivity	W/m°C	170	110
Flexural Strength	MPa	10	7.5
Tensile Strength	MPa	7.5	5
Compressive Strength	MPa	20	
Young's Modulus	GPa	8	5
Coefficient Thermal Expansion (30 to 100°C)	10 ⁻⁶ /°C	0.7	2.2
Linear Scale Hardness	MPa	90	
Ash Content	ppm	300	
Iron Content	ppm	50	
Vanadium Content	ppm	10	

Notes

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Redefining limits

Lalachere

La Lechere

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^{*} Other sizes available upon request

^{**} Properties listed are typical and cannot be used as accept/reject specifications