

# SF73 Advanced Graphite

Technical Data Sheet 6042

## Product Overview

GRAFSTAR™ SF73 advanced graphite is an excellent general purpose graphite, having good resistance to thermal shock. It has excellent dimensional, electrical and thermal stability as well as high thermal conductivity.

## Applications

- Crucibles and sintering boats
- Furnace linings and parts
- Spouts and runout tables

## Sizes\*

- Up to 500 mm diameter rounds
- Up to 500 x 700 mm cross sections

## Typical Properties at Room Temperature\*\*

Characteristic	Unit	WG	AG
Density	g/cc	1.72	
Maximum Particle Size	mm	3.2	
Helium Porosity	%	25	
Specific Electrical Resistance	μΩm	10.5	13
Thermal Conductivity	W/m°C	130	105
Flexural Strength	MPa	13	10
Young's Modulus	GPa	9	7
Coefficient Thermal Expansion (30 to 100°C)	10 <sup>-6</sup> /°C	2.2	2.8
Ash Content	%	0.9	

Notes:

\* Other sizes available upon request

\*\* Properties listed are typical and cannot be used as accept/reject specifications

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**Redefining limits**

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