

Specification Sheet

Silicon Carbide Crucibles

(Available Sizes 5ml – 100ml)

Stock No: NS6130-10-1018, CAS: 409-21-2

Product	:	Silicon Carbide Crucible
Stock No.	:	NS6130-10-1018
Purity	:	>99.9%
Capacity	:	5ml
Density	:	2.0-2.2 g/cm ³
Melting Point	:	2730 °C
Thermal Conductivity	:	45W/m*k
Specific Resistance	:	6.0-15.0 μΩ.m
Compressive Strength	:	≥2200 MPa
Bending Strength	:	280 MPa
Ash	:	3 %
Max Service Temp	:	1780 °C
Apparent Porosity	:	≤ 29 %
Rigidity	:	13
Co-eff of Thermal Expansion	:	4.5 K-1*10-6
Lid	:	Available In All Sizes (Get Quote)
NS6130-10-1018 (A)	:	Capacity: 5ml, Top Dia: 25mm (0.98in), Bottom Dia: 15mm (0.59in), Height: 28mm (1.1in)
NS6130-10-1018 (B)	:	Capacity: 10ml, Top Dia: 29mm (1.14in), Bottom Dia: 18mm (0.71in), Height: 34mm (1.34in)
NS6130-10-1018 (C)	:	Capacity: 20ml, Top Dia: 35mm (1.38in), Bottom Dia: 24mm (0.94in), Height: 42mm (1.65in)

NS6130-10-1018 (D)	:	Capacity: 50ml, Top Dia: 48mm (1.89in), Bottom Dia: 30mm (1.18in), Height: 54mm (2.05in)
NS6130-10-1018 (E)	:	Capacity: 100ml, Top Dia: 58mm (2.28in), Bottom Dia: 35mm (1.38in), Height: 68mm (2.68in)
NS6130-10-1018 (F)	:	Capacity: 150ml, Top Dia: 66mm (2.6in), Bottom Dia: 40mm (1.57in), Height: 80mm (3.15in)
NS6130-10-1018 (G)	:	Capacity: 250ml, Top Dia: 79mm (3.11in), Bottom Dia: 42mm (1.65in), Height: 93mm (3.66in)

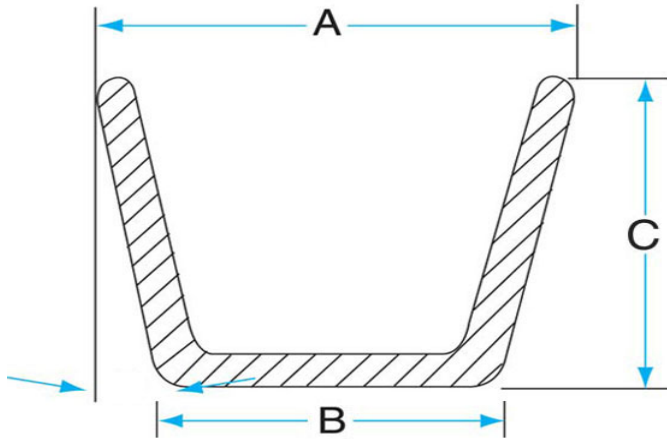
Main Inspect Verifier : **Manager QC**

Note: Product Specification are subject to amendment and may change over time



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Characterization of Silicon Carbide Crucibles



Metal Crucible Line Diagram



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