

Specification Sheet

Al₂O₃ Ceramic Tile

Stock No: NS6130-10-1259, CAS: 1344-28-1

Product	:	Al₂O₃ Ceramic Tiles Al₂O₃ Ceramic Tiles
Stock No.	:	NS6130-10-1259
CAS	:	1344-28-1
Purity	:	>99.5%
Length	:	100 mm
Width	:	100 mm
Thickness	:	3 mm
Density	:	3.85~3.9 g/cm ³
Compressive Strength	:	2600 MPa
Porosity	:	< 0.5%
Hardness	:	1440 Kg/mm ²
Poisson	:	0.22
Fracture Toughness (KIC)	:	>4 to 5 Mpa/m ^{1/2}
Thermal Expansion	:	8.2 10 ⁻⁶ /°C
Thermal Conductivity	:	30.4 W/m K
Max Service Temperature	:	1800 °C
Permittivity	:	9.7 1MHz
Dielectric Strength	:	9.7 1MHz
Bulk Modulus	:	228 Gpa
Dissipation Factor	:	228 Gpa
Thermal Shock Resistance	:	228 Gpa
Volume Resistivity	:	>10 ¹⁴ Ω-cm
Main Inspect Verifier	:	Manager QC

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

Intelligent Materials Pvt. Ltd.

www.nanoshel.com, sales@nanoshel.com



NANOSHEL LLC *(In Collaboration)*

3422 Old Capitol Trial Suit 1305, Wilmington DE - 19808 USA
(001) 302 652-3464, + 91 9779-880077