



CERALOX[®]

TRANSLUCENT CERAMIC APPLICATIONS

Typical CHEMICAL ANALYSIS

Product*	Al ₂ O ₃ Purity	Primary Impurities, ppm					D-90, µm	D-50, µm	D-10, µm
		Na	Si	Fe	Ca	Zr			
TPA-TMX6 AF	99.995%	10	10	7	3	2	2.5	1.0	0.4
SPA-0.5	99.995%	10	10	5	5	3	0.8	0.4	0.2

*Additional product grades engineered to meet customer-defined requirements are available.

Typical PHYSICAL PROPERTIES

Product	Surface Area, m ² /g	Green Density, g/cc	Loose Density, g/cc	Packed Density, g/cc
TPA-TMX6 AF	6.0	1.77	0.45	0.85
SPA-0.5	8.0	2.20	1.10	1.40

METHODOLOGY

Chemical Analysis: Inductively Coupled Argon Plasma
 Particle Size Distribution: Laser Diffraction
 Surface Area: B.E.T.
 Green Density: Alumina Ceramic Manufacturing ACMA Test 6 and ASTM C-373-72. Green density values are determined on a 10 gm pellet, pressed at 5000 psi (34.47 Mpa) in a 1" floating head die.
 Other Density: Hsokawa Powder Analyzer®