



CERALOX[®] ALUMINAS FLUORESCENT LAMP COATINGS

Typical CHEMICAL ANALYSIS

Product	Al ₂ O ₃ Purity	Primary Impurities, ppm								
		Na	Si	Fe	Ca	Mg	Ti	Cr	Ni	Zr
SPA-Gamma AF	99.997%	10	7	4	2	2	<1	<1	<1	2
SPA-0.5AF	99.995%	15	15	5	5	3	<1	<1	<1	3
SPA-Alpha AF	99.997%	10	10	5	2	2	<1	<1	<1	2
APA-100RDX	99.96%	10	95	110	10	30	30	10	5	3
APA-0.2	99.96%	10	95	110	10	30	30	10	5	3
APA-0.4	99.96%	10	95	110	10	30	30	10	5	3

*AF Agglomerate Free powders are easily dispersed in low shear aqueous processes.

Typical PHYSICAL PROPERTIES

Product	Median Particle Diameter, μm	Surface Area m^2/g	Loose Bulk Density, g/l
SPA-Gamma AF	2.5	60	200
SPA-0.5AF	0.4	7.5	750
SPA-Alpha AF	1.3	6.0	350
APA-100RDX	2.4	87	170
APA-0.2	2.0	40	200
APA-0.4	0.3	8.0	1050

METHODOLOGY

Chemical Analysis: Inductively Coupled Argon Plasma
Particle Size Distribution: Laser Diffraction
Surface Area: B.E.T.
Density: Hosokawa Powder Analyzer[®]