TOR BRITE® • TOR BRITE® F
Alumina Monohydrate

Description

TOR BRITE offers exceptional brightness / whiteness as a TiO2 synergist in applications including Paints & Coatings, Solid Surface, Engineered Stone and Gel Coats. Substitution of up to 35% of the white TiO2 content in formulation can improve whiteness due to TOR BRITE's inherent low b value. Additional benefits of TOR BRITE include excellent processing behavior, low settling, easy cleaning behavior and flame retardant / smoke suppressant performance. TOR BRITE improves scratch resistance in Coatings and Solid Surface.

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CHEMICAL ANALYSIS (Typical)		
ALO(OH) content, %	99.9	99.9
Na_2O, %	0.07	0.07
CaO	0.01	0.01
SiO_2, %	0.01	0.01
Fe_2O_3, %	0.01	0.01
Moisture Content (105° C), %	0.15	0.2
Loss on Ignition (LOI) (1200°), %	17	17
Conductivity (µS/cm)	120	120
PHYSICAL PROPERTIES (Typical)		
Particle Size (laser, Sympatec) - d_{50}, (µm)	2.5	1.0
Specific Surface, (m^2/g)	4	7
Specific Density, (g/cm^3)	3.0	3.0
Bulk density, (kg/m^3)	600	750
Oil Absorption, (g oil/100g)	35	28
Whiteness, (CIE L*)	97	98
Color, (CIE a*, b*)	0.04, 0.58	0.04, 0.58
Hardness (Mohs)	4.5	4.5
Refractive Index	1.7	1.7

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