OPTILOAD® LV-75 / LV-45 / LV-20
Alumina Trihydrate

DESCRIPTION

Low viscosity, alumina trihydrate flame retardant/smoke suppressant filler designed for optimum performance in synthetic resin composite applications.

	LV-75	LV-45	LV-20
CHEMICAL ANALYSIS (TYPICAL)			
$Al(OH)_3$ content, %	> 99.0	> 99.0	> 99.0
Na_2O (soluble), %	0.01	0.01	0.01
SiO_2, %	0.008	0.008	0.008
Fe_2O_3, %	0.01	0.01	0.01
Moisture Content (105° C), %	< 0.25	< 0.25	< 0.25
Loss on Ignition (LOI @ 1200° C), %	34.5	34.5	34.5
PHYSICAL ANALYSIS (TYPICAL)			
Sieve Residue >45 µm (+325 mesh), %	≤ 15	≤ 0.2	≤ 0.01
Particle Size (laser, Sympatec) - d_{50}, (µm)	3	4	3
Top Cut, (µm)	75	45	20
Bulk Density, Pour (g/cm^3)	0.69	0.54	0.42
Bulk Density, Tap (g/cm^3)	1.25	1.11	0.91
Brightness, L *	96	96	98
Specific Gravity, g/cm^3	2.42	2.42	2.42
Oil Absorption, mL/100g	15	18	24

TOR Minerals International, Inc. • 722 Burleson St. • Corpus Christi, TX 78402
Tel (361) 883-5591 • Fax (361) 882-1033 • email: sales@torminerals.com • www.torminerals.com