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## ASTRACALC 600 - I

**AstraCalc 600-I** is produced from a naturally occurring, white and very pure biomicritic limestone, made up of mostly fossil debris in a matrix of microcrystalline calcareous mud. Compared to a similar product made from dense limestone or marble, our product is softer and significantly less abrasive. The amorphous to microcrystalline calcium carbonate tends to breakdown into subrounded to subangular particles, as opposed to sharply angular of those made from other sources of calcium carbonate.

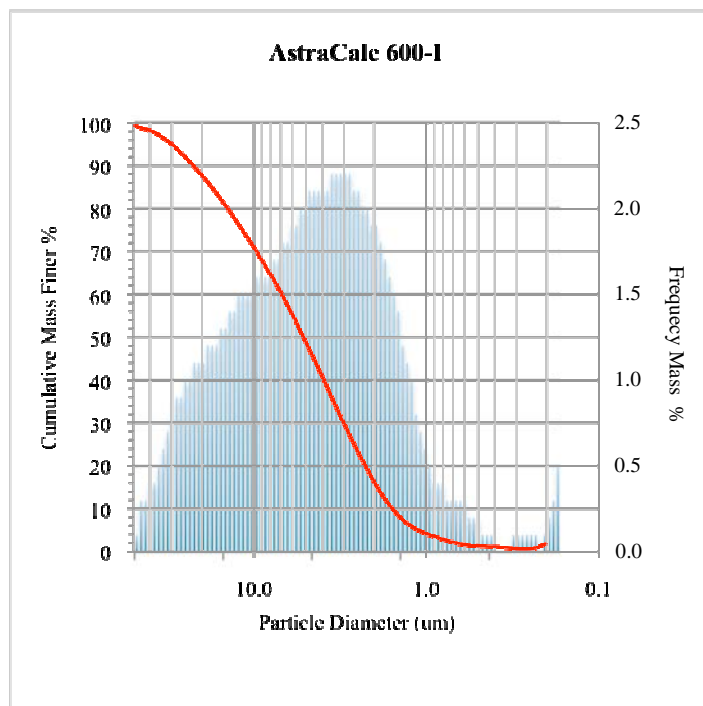
**AstraCalc 600-I** is targeted as a functional filler in plastics, especially suited in thermosets and thermoplastics applications, as well as in rubber, paint, adhesives, etc. This product typically offers lower abrasion, allows for higher mineral loads, as well as reduced resin demand, lower paste viscosity, composite shrinkage, lower moisture pickup and toxic levels.

### PHYSICAL PROPERTIES

<b>AC 600-I</b>	
Brightness "Y"	> 89.0
Brightness "b"	< 3.5
Median Particle Size (um)	5.6
@ 90% Cumulative Mass (um)	29.2
@ 20% Cumulative Mass (um)	2.7
Residue (+ 325 mesh)	< 1.0
Moisture	< 0.2%
Oil Absorption (gm oil/100 gm filler)	12 - 14
Loose Density (lbs/ft <sup>3</sup> )	55
Tapped Density (lbs/ft <sup>3</sup> )	65

### CHEMICAL ANALYSIS

Calcium Carbonate - CaCO <sub>3</sub>	> 98.50%
Magnesium + Alkali Salts	< 0.5%
Acid Insoluble	< 0.2%
Barium - Ba	< 45 ppm
Fluoride F	< 50 ppm
Iron - Fe	< 40 ppm
Silicon - Si	< 100 ppm
Heavy Metals ( as lead)	< 20 ppm



The statements and information herein are believed to be accurate and reliable, but Astra Minerals does not make any warranties as to the fitness for a particular purpose or any other warranty. Likewise, no patent liability is assumed for the use of Astra Mineral products in a manner that would infringe on patent rights owned by others.