

# FINE GROUND CALCIUM CARBONATE (CRESTON)

IMASCO fine-ground white calcium carbonate ( $\text{CaCO}_3$ ) is available at our Creston plant in four gradations; 3H, 4H, 5H and 6H, corresponding to the Hegman scale. These exceptionally pure, bright white fillers and extenders are dry ground from natural high calcium marble. Our particle size range allows us to meet the requirements of many applications including:

- ▲ Paints, Coatings, and Inks
- ▲ PVC Extrusions
- ▲ Adhesives, Caulks, and Sealants
- ▲ Polyester Resin Systems – BMC, SMC, RTM, Spray-up
- ▲ Rubber – Flooring Products, Footwear
- ▲ Paper – Filling and Coating
- ▲ Glass Fibre
- ▲ Ceramic Glaze

---

## BENEFITS OF IMASCO CALCIUM CARBONATES

- ▲ Consistent sizing
- ▲ High brightness
- ▲ High chemical purity
- ▲ National Sanitation Foundation approved (6H) (ANSI/NSF 14-1990)

---

## PARTICLE SIZE DATA (MICRONS)

	3H	4H	5H	6H
Top Cut (99.5% minus) (PLA 3B-82)	44	35	24	15 $\mu\text{m}$
Median Particle Size (PLA 3B-82)	10.0	7.0	5.5	3.2 $\mu\text{m}$
Sub-micron Fraction (PLA 3B-82)	3%	4%	10%	14%

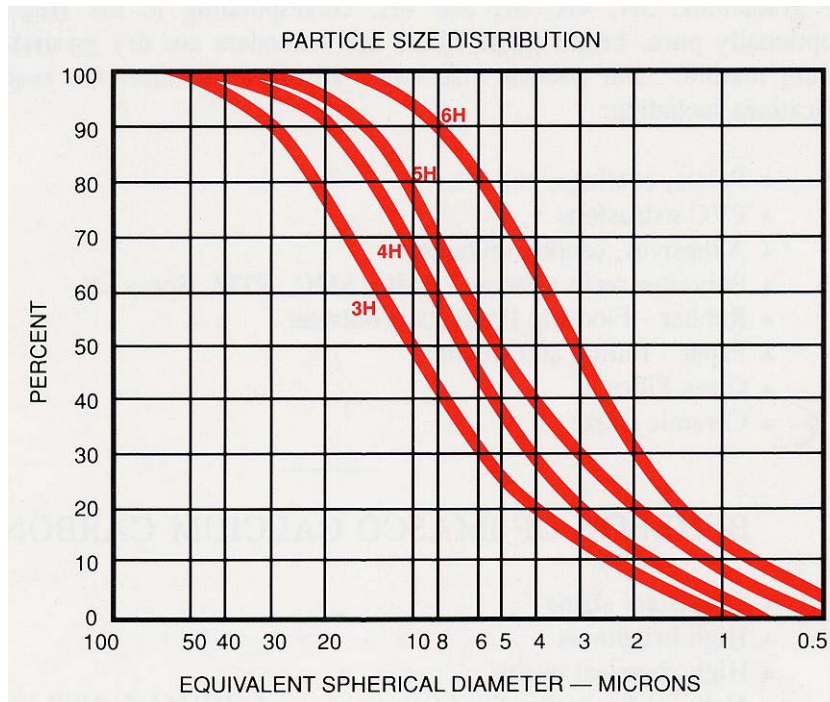
---

## PHYSICAL PROPERTIES

Dry Brightness (ASTM C110-92)	94.0 (6H)
Specific Gravity (ASTM C128-88)	2.7
Mohs Hardness	3.0
Moisture Content (ASTM D280-81)	below 0.2%
Loss On Ignition (ASTM 31172-87)	44%
Ph Value (ASTM C110-92)	9.0
Particle Shape	crystalline rhombohedron



# FINE GROUND CALCIUM CARBONATE (CRESTON)



## TYPICAL CHEMICAL ANALYSIS \*

CA CO <sub>3</sub>	95.0%
MgCO <sub>3</sub>	3.0
Fe <sub>2</sub> O <sub>3</sub> Ferric Oxide	0.25
Acid Insolubles	1.75%

\* PLA 4-70

	3H	4H	5H	6H	
Oil Absorption (ASTM D281-84)	14-16	15-17	16-18	16-18	g/100g
Apparent Loose Density (ASTM C110-92)	720	750	690	550	kg/m <sub>3</sub>
Apparent Packed Density (ASTM C110-92)	1350	1320	1250	1170	kg/m <sub>3</sub>

These products are available in 50-pound bags, 2000-pound semi-bulk bags, and bulk truck or railcar quantities.

Data is representative of recent testing and is typical of normal production.

