

# PRODUCT SPECIFICATION



## SUPER-W CAL

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**SUPER-W CAL** is a Superfine ground natural calcium carbonate powder with high brightness from high purity of white limestone material. Product has stable particle size distribution and easy to disperse. Mostly used in paints, paper and plastics industries.

### CHEMICAL ANALYSIS

CaCO <sub>3</sub>	%-min	98.50
MgO	%-max	0.50
Fe <sub>2</sub> O <sub>3</sub>	%-max	0.03
Acid Insoluble content for Raw Material	%	0.20
Moisture content (ISO 787/2)	%-max	0.30

### PHYSICAL PROPERTIES

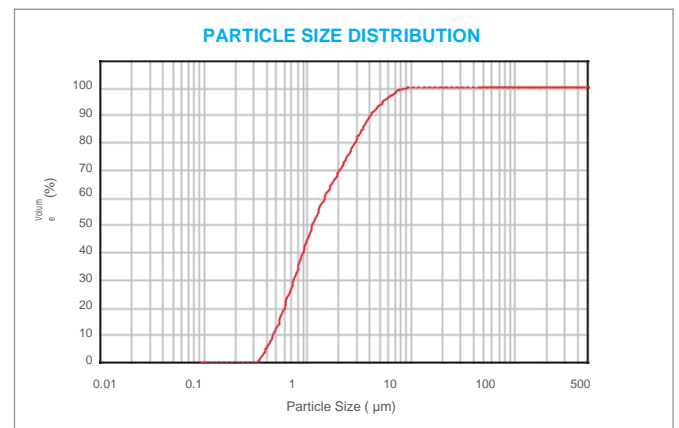
True S.g Raw Material (ISO 787/7)		2.70
Hardness Raw Material	Mohs	3.0
Particle Refractive Index		1.59
Brightness R457/T525 (ISO 2470)		94.5
Brightness (Ry, C/2°, DIN 5033)	%	96.5
Oil Absorption (ISO 787/5)	gr/100gr	22.0
DOP Absorption (ISO 787/5)	gr/100gr	32.0
pH Value (ISO 787/9)		9.0 ± 0.3
Bulk Density (ISO 787/11)	gr/ml	0.5
Packed Bulk Densityw (ISO 787/11)	gr/ml	0.8

### APPLICATION

Adhesive	<ul style="list-style-type: none"><li>Epoxy, Plastisol, PVAC adhesive</li><li>Leather/Rubber Adhesive, etc</li></ul>
Board	<ul style="list-style-type: none"><li>Melamine board, etc</li></ul>
Cosmetics	<ul style="list-style-type: none"><li>Tooth paste, perfume carrier, etc</li></ul>
Paints	<ul style="list-style-type: none"><li>Emulsion Paints (interior and exterior)</li><li>Enamel paints</li><li>Alkyd and Phenolis moulding powders</li><li>Anti-settling agent</li><li>Powder coating</li><li>Printing inks (offset, flexo ink, etc)</li></ul>
Plastics	<ul style="list-style-type: none"><li>Polyolefein Compound/Masterbatch (PP or PE) and PVC compound</li><li>Rigid, Semi Rigid, Palsticized PVC</li><li>PVC Plastics</li><li>Thermosets and Thermoplast TPR</li><li>Unsaturated Polyester Resins</li><li>Sealants</li></ul>
Paper	<ul style="list-style-type: none"><li>Paper coating, printing paper, etc</li></ul>
Rubber	<ul style="list-style-type: none"><li>Compound, autoparts, tyres, etc</li></ul>

### PARTICLE SIZE DISTRIBUTION

Top Cut d <sub>98</sub>	µm	7.0
Median particle diameter d <sub>50</sub>	µm	1.3
Residue on 325 mesh (ISO 787/7)	%-w max	Tr



By Malvern Mastersizer 2000

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