

PRODUCT SPECIFICATION

DERICAL P



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DERICAL P is a fine 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 plastics and paints industries.

CHEMICAL ANALYSIS

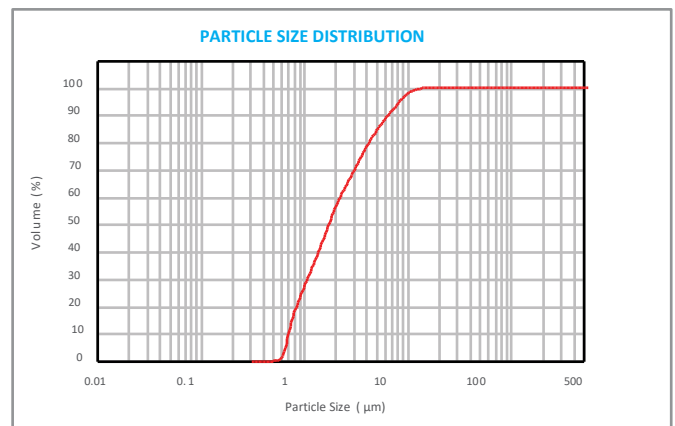
CaCO ₃	%-min	98.50
MgO	%-max	0.50
Fe ₂ O ₃	%-max	0.03
Acid Insoluble content for Raw Material	%	0.20
Moisture content (ISO 787/2)	%-max	0.30

PARTICLE SIZE DISTRIBUTION

Top Cut d98	µm	12.0
Median particle diameter d50	µm	2.0
Residue on 325 mesh (ISO 787/7)	%-w max	Tr

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)		92.5
Brightness (Ry, C/2°, DIN 5033)	%	95.0
Oil Absorption (ISO 787/5)	gr/100gr	20.0
DOP Absorption (ISO 787/5)	gr/100gr	30.0
pH Value (ISO 787/9)		9.0 ± 0.3
Bulk Density (ISO 787/11)	gr/ml	0.7
Packed Bulk Density (ISO 787/11)	gr/ml	0.9



By Malvern Mastersizer 2000

APPLICATION

Adhesive	<ul style="list-style-type: none"> Epoxy, Plastisol, PVAC adhesive Leather/Rubber Adhesive, etc
Cosmetics	<ul style="list-style-type: none"> Tooth paste, perfume carrier, etc
Paints	<ul style="list-style-type: none"> Emulsion Paints (interior and exterior) Enamel paints Printing inks (offset, etc)
Plastics	<ul style="list-style-type: none"> Polyolefin Compound/Masterbatch (PP or PE) and PVC compound Rigid, Semi Rigid, Palsticized PVC PVC Plastisols EVA/PU Foam, Sponge Thermosets and Thermoplast TPR Unsaturated Polyester Resins Polyester laminating/casting
Paper	<ul style="list-style-type: none"> Paper coating, printing paper, etc
Rubber	<ul style="list-style-type: none"> Compound, autoparts, tyres, etc

COMPANY IDENTIFICATION

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The information data above contained available data that using for control our product quality. As the natural product that produced in large quantity, there are any conditions that we have any little tolerant for the data. Hence the data can not be taken as binding. As we have no control over the condition of using the material in any customer process, so we assume that we have no responsibility for use, misuse upon the formula beyond the presented data above.