

PRODUCT SPECIFICATION



LI-CAL

Rev : 06 / QC_BDI • 26.08.2023

LI-CAL is a fine ground natural calcium carbonate powder with high brightness from high purity of white limestone material. Product has stable particle size distribution. Mostly used in plastics, paints, rubber 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 |

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) | | 92.0 |
| Brightness (Ry, C/2°, DIN 5033) | % | 94.5 |
| Oil Absorption (ISO 787/5) | gr/100gr | 16.0 |
| DOP Absorption (ISO 787/5) | gr/100gr | 24.0 |
| pH Value (ISO 787/9) | | 9.0 ± 0.3 |
| Bulk Density (ISO 787/11) | gr/ml | 0.8 |
| Packed Bulk Density (ISO 787/11) | gr/ml | 1.0 |

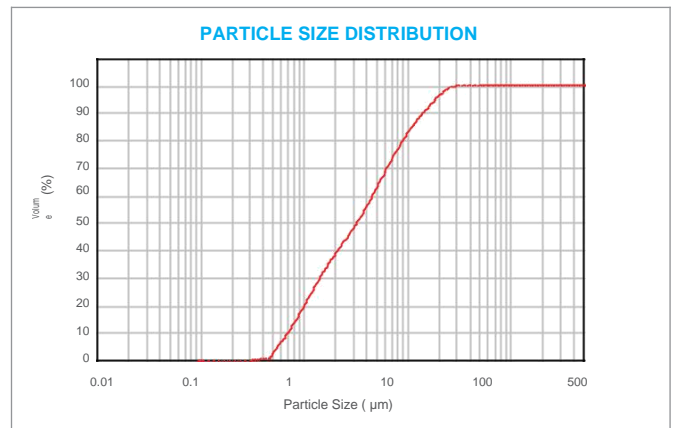
APPLICATION

| | |
|-----------|---|
| Adhesive | <ul style="list-style-type: none">Epoxy, Plastisol, PVAC adhesiveLeather/Rubber Adhesive, plywood |
| Board | <ul style="list-style-type: none">Coated board (wood coated)Wood puttyGypsum compound |
| Ceramic | <ul style="list-style-type: none">Coating for ceramic ware, sanitary ware and wall tile |
| Cosmetics | <ul style="list-style-type: none">Tooth paste |
| Paints | <ul style="list-style-type: none">Emulsion Paints (interior and exterior)Wall PuttyRoad marking paint (Thermo plastics paints)Printing ink (offset, etc) |
| Plastics | <ul style="list-style-type: none">Polyolefein Compound/Masterbatch (PP or PE) and PVC compoundRigid, Semi Rigid, Palsticized PVCPVC PlasticsEVA/PU Foam, SpongeThermosets and Thermoplast TPRUnsaturated Polyester ResinsPolyester laminating/casting |
| Rubber | <ul style="list-style-type: none">Rubber compound, sole, sandals, shoes, etc |

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.

PARTICLE SIZE DISTRIBUTION

| | | |
|--|---------|------|
| Top Cut d ₉₈ | µm | 23.0 |
| Median particle diameter d ₅₀ | µm | 3.5 |
| Residue on 325 mesh (ISO 787/7) | %-w max | 0.10 |



By Malvern Mastersizer 2000

COMPANY IDENTIFICATION

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