



DICAL

COATED CALCIUM CARBONATE



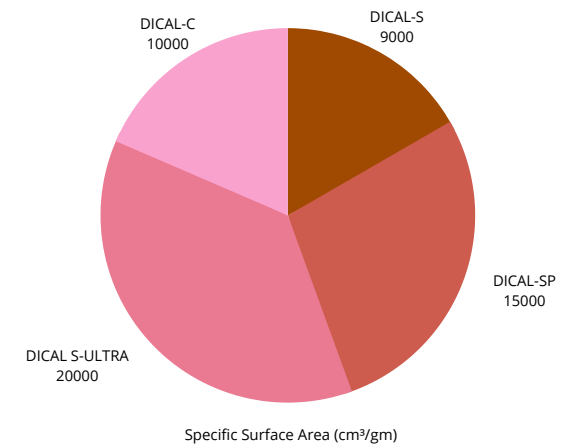
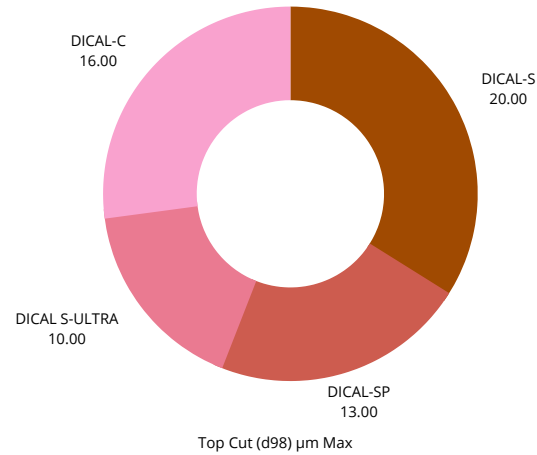
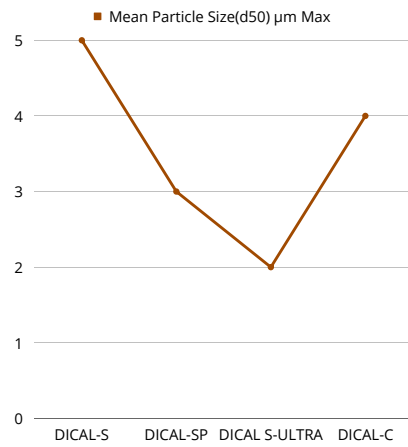
Lime Chemicals Ltd.

The Calcium Carbonate Manufacturers

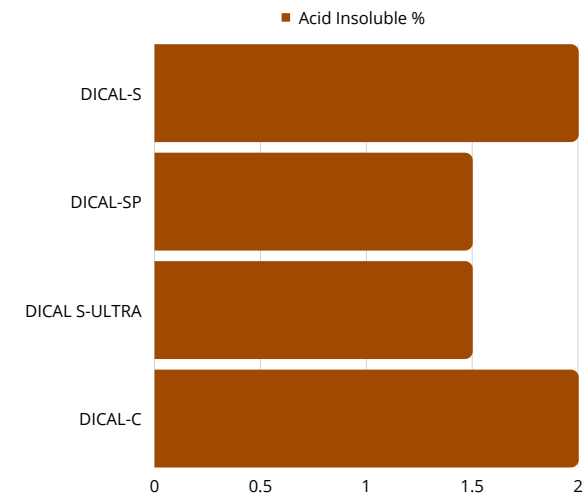
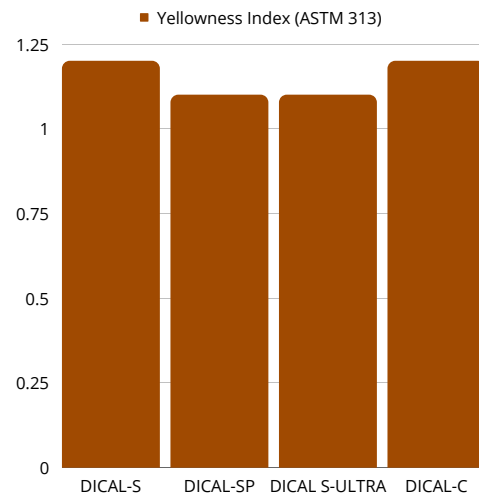
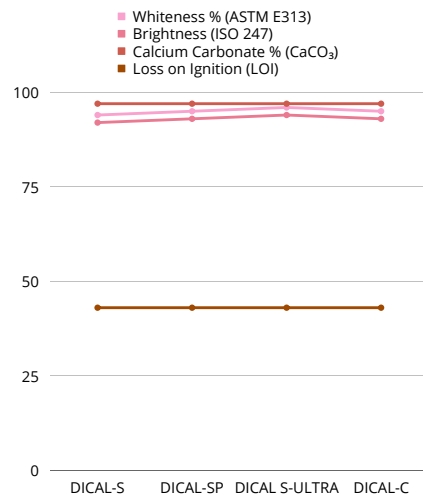
SPECIFICATION CHART:

Surface coated, white, natural and easy to disperse calcium powder. This product is the result of high purity and white limestone powder.

| Properties | Grades | | | |
|---|------------|------------|---------------|------------|
| | DICAL-S | DICAL-SP | DICAL S-Ultra | DICAL-C |
| Particle Size Distribution | | | | |
| Mean Particle Size(d50) μm Max | 5 | 3 | 2 | 4 |
| Top Cut (d98) μm Max | 20 | 13 | 10 | 16 |
| Specific Surface Area (cm^3/gm) | 9000 | 15000 | 20000 | 10000 |
| Residue on 45 μm sieve (%) | Nil | Nil | Nil | Nil |
| Optical Properties | | | | |
| Whiteness % (ASTM E313) | 94 \pm 1 | 95 \pm 1 | 96 \pm 1 | 95 \pm 1 |
| Yellowness Index (ASTM 313) | 1.2 | 1.1 | 1.1 | 1.2 |
| Brightness (ISO 247) | 92 \pm 1 | 93 \pm 1 | 94 \pm 1 | 93 \pm 1 |
| Calcium Carbonate % (CaCO_3) | 97 \pm 1 | 97 \pm 1 | 97 \pm 1 | 97 \pm 1 |
| Acid Insoluble % | 2.00 Max | 1.50 Max | 1.50 Max | 2.00 Max |
| Loss on Ignition (LOI) | 43 \pm 1 | 43 \pm 1 | 43 \pm 1 | 43 \pm 1 |
| Hardness (Moh's Scale) | 3 | 3 | 3 | 3 |
| Other Properties | | | | |
| Bulk Density, loose ($\text{gm}/100\text{ml}$) | 0.55 | 0.66 | 0.66 | 0.66 |
| Bulk Density, packed ($\text{gm}/100\text{ml}$) | 1-1.25 | 1-1.25 | 1-1.25 | 1-1.25 |
| Moisture (%), Max | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Specific Gravity | 2.7 | 2.7 | 2.7 | 2.7 |
| pH in 10% Aqueous Suspension | 9 | 9 | 9 | 9 |
| Coating % Stearic Acid | 1-1.2 | 1-1.2 | 1-1.2 | < 1.00 |



PARTICLE SIZE DISTRIBUTION



OPTICAL PROPERTIES

APPLICATION TABLE:

| Applications | Products | | | |
|-----------------------------------|-----------------|-----------------|----------------------|----------------|
| | DICAL-S | DICAL-SP | DICAL S-ULTRA | DICAL-C |
| PVC Pipes | ✓ | ✓ | | |
| Rubber Compounds | ✓ | | | |
| Profiles | ✓ | ✓ | ✓ | ✓ |
| Suction Hose | ✓ | | | |
| Construction Chemicals | ✓ | | | |
| U-PVC & C-PVC Fittings | | ✓ | | ✓ |
| Filer Masterbatch | | ✓ | ✓ | |
| Paints | | ✓ | ✓ | ✓ |
| Cable Compounding | | ✓ | ✓ | ✓ |
| Cosmetics | | ✓ | | |
| Conduit Pipes | | ✓ | | |
| Calendered Sheets | | | ✓ | ✓ |
| Inks | | | ✓ | |
| Sealant | | | ✓ | |
| Footwear | | ✓ | | |

CONTACT US -

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