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INDUSTRIAL MINERALS SINCE 1897

PREVER M10

Prever M10 Talc is a highly lamellar hydrated magnesium silicate from the Val Germanasca mine in Piedmont, Italy. Thanks to its high brightness, purity and fineness of grind, it is particularly recommended for use in quality plastics and paints.

MINERALOGY:

| | |
|------------|-----|
| Talc | 94% |
| Chlorite | 3% |
| Carbonates | 2% |

WHITENESS:

| | |
|----------|----------|
| Y | 94.5% |
| CIE 1976 | L 97.7% |
| | a - 0.1% |
| | b +0.5% |

PARTICLE SIZE DISTRIBUTION:

| | |
|-----------------|-------------|
| (grind gauge) | 6.5-: -7.0% |
| Less than 10 um | 1.0% |

CHEMICAL PROPERTIES:

| | |
|-----------------------------------|------------------|
| SiO ₂ | 60.3% |
| MgO | 31.7% |
| Al ₂ O ₃ | 1.0% |
| Fe ₂ O ₃ | 0.8% |
| CaO | 0.5% |
| Heavy metals | Less than 40 ppm |
| Loss on ignition (1050 degrees C) | 5.7% |
| pH (10% slurry) | 9.3% |

PHYSICAL PROPERTIES:

| | |
|--------------------------|----------------|
| Specific Gravity | 2.8 g/ml |
| Tapped bulk density | 0.50 g/ml |
| Loose bulk density | 0.22 g/ml |
| Surface area (B.E.T.) | 7.5 sqm/g |
| Moisture (105 degrees C) | Less than 0.2% |
| Oil absorption | 56% |
| Abrasiveness (2 hours) | 7.5 mg |
| Hardness | 1 |

