



SumicaTM
pearlescent pigments

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| Product Name : Sumica™ Iridescent Gold | Color : Interference Gold | Appearance : Lustrous Powder |
|-----------------------------------------------|----------------------------------|-------------------------------------|

| Chemical Composition | | | | |
|----------------------|---------------|--------------|------------|---------------|
| Ingredient | % Composition | C. I. Number | CAS Number | EINCES Number |
| Mica | 56-68 | 77019 | 12001-26-2 | 310-127-6 |
| Titanium Dioxide | 32-42 | 77891 | 13463-67-7 | 236-675-5 |
| Tin Oxide | < 1 | 77861 | 18282-10-5 | 242-159-0 |
| | | | | |
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| Physical Properties | | | | |
|----------------------------------------|-----------|---------------------|--------------------|----------------------------------------------|
| Parameter | Value | Unit | Method | Remark |
| TiO ₂ modification | Rutile | - | ASTM D3720 | - |
| Volatile matter | Max 1 | % | ISO 787-2 | At 105°C, 2 h |
| Oil absorption | 55-65 | g/100g | ISO 787-5 | - |
| pH value | 8-10 | - | ISO 787-9 | 10% Aq. Suspension |
| Sp. Gravity | 3.3 ± 0.2 | - | IS 33 Part B | - |
| Apparent density | 0.6 ± 0.1 | g/cc | ISO 787-11 | - |
| Water solubility | Max 1 | % | IS 3493 | Practically Insoluble |
| Heat stability | 800 | °C | Sudarshan CPTL/301 | - |
| Resistance to dilute acid and alkali | Stable | 1-5 Scale | Sudarshan CPTL/301 | - |
| Particle size range (85% within range) | 10-60 | µm | Sudarshan EP/1020 | Determined on Malvern Particle Size Analyzer |
| Light Fastness | 8 | 1-8 Blue Wool Scale | Sudarshan CPTL/301 | - |

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