



**Sumica**<sup>TM</sup>  
pearlescent pigments

|                                                   |                       |                                     |
|---------------------------------------------------|-----------------------|-------------------------------------|
| <b>Product Name</b> : Sumica <sup>TM</sup> Silver | <b>Color</b> : Silver | <b>Appearance</b> : Lustrous Powder |
|---------------------------------------------------|-----------------------|-------------------------------------|

| Chemical Composition |               |              |            |               |
|----------------------|---------------|--------------|------------|---------------|
| Ingredient           | % Composition | C. I. Number | CAS Number | EINCES Number |
| Mica                 | 68-80         | 77019        | 12001-26-2 | 310-127-6     |
| Titanium Dioxide     | 22-30         | 77891        | 13463-67-7 | 236-675-5     |
|                      |               |              |            |               |
|                      |               |              |            |               |
|                      |               |              |            |               |

| Physical Properties                    |           |                     |                    |                                              |
|----------------------------------------|-----------|---------------------|--------------------|----------------------------------------------|
| Parameter                              | Value     | Unit                | Method             | Remark                                       |
| TiO <sub>2</sub> modification          | Anatase   | -                   | ASTM D3720         | -                                            |
| Volatile matter                        | Max 1     | %                   | ISO 787-2          | At 105°C, 2 h                                |
| Oil absorption                         | 70-80     | g/100g              | ISO 787-5          | -                                            |
| pH value                               | 8-10      | -                   | ISO 787-9          | 10% Aq. Suspension                           |
| Sp. Gravity                            | 2.6 ± 0.2 | -                   | IS 33 Part B       | -                                            |
| Apparent density                       | 0.3 ± 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   | 5         | 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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