



Sudatherm™

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Durable, high performance CICP pigments

for Plastics

SUDARSHAN

First Choice For New Formulations

# Sudatherm™

## Durable, high performance CICP pigments

Our range of Sudatherm - Complex Inorganic Colored Pigments are designed to offer excellent performance in plastics and coatings applications.



### Technical Properties

| Product Name & Code           | C. I. Name | Chemistry                        | Applications |    |     |         |         |         |     |                   |                          |                | Properties |                  |           |                 |       |
|-------------------------------|------------|----------------------------------|--------------|----|-----|---------|---------|---------|-----|-------------------|--------------------------|----------------|------------|------------------|-----------|-----------------|-------|
|                               |            |                                  | PS/SAN       | PC | ABS | PET/PBT | Nylon 6 | PVC - R | EVA | Polyolef in PE/PP | PVC & PVC Leather Cloths | Light Fastness |            | Weather Fastness |           | Heat Resistance |       |
|                               |            |                                  |              |    |     |         |         |         |     |                   |                          | Full Tone      | Tint Tone  | Full Tone        | Tint Tone |                 |       |
| Sudatherm™ Yellow 6406K       | PY 53      | (Ti,Ni,Sb)O <sub>2</sub>         | ●            | ●  | ●   | ●       | ●       | ●       | ●   | ●                 | ●                        | ●              | 8          | 8                | 5         | 5               | 500°C |
| Sudatherm™ Buff Yellow 6431K  | PBr 24     | (Ti,Cr,Sb)O <sub>2</sub>         | ●            | ●  | ●   | ●       | ●       | ●       | ●   | ●                 | ●                        | ●              | 8          | 8                | 5         | 5               | 500°C |
| Sudatherm™ Tan 6416K          | PY 119     | ZnFe <sub>2</sub> O <sub>4</sub> | ●            | -  | ●   | -       | -       | ●       | ●   | ●                 | ●                        | ●              | 8          | 8                | 5         | 5               | 260°C |
| Sudatherm™ Brown 6411K        | PY 164     | (Ti,Mn,Sb)O <sub>2</sub>         | ●            | ●  | ●   | ●       | ●       | ●       | ●   | ●                 | ●                        | ●              | 8          | 8                | 5         | 5               | 500°C |
| Sudatherm™ Copper Black 6461K | PBk 28     | CuCr <sub>2</sub> O <sub>4</sub> | ●            | ●  | ●   | ●       | ●       | ●       | ●   | ●                 | ●                        | ●              | 8          | 8                | 5         | 5               | 500°C |

● Recommend Potential Use -Not recommended

**Light fastness:** The fastness to light be determined on injection molded plastic swatches of approximately 2 mm thickness. Test swatches exposed in QUV and the visual rating given on 1 to 8 Blue Wool scale where 1 = 'Poor' and 8 = 'Excellent'.

**Weather fastness:** The fastness to weather is determined on injection molded plastic swatches of approximately 2 mm thickness. Test swatches exposed in Xenon Arc for 1000 hrs and the visual rating given on 1 to 5 Grey scale where 1 = 'Poor' and 5 = 'Excellent'.

**Heat stability:** The heat stability is checked as per oven test method where pigment sample is kept in oven at 500 degrees for 15 min and then, checked against untreated sample in plastic application to assess the change in color (DE<3.00).



**Disclaimer:** The information included here is based on the reliable data generated by our laboratories. Since the Performance of a pigments also depends on the additives and polymers used, we recommend that customers should test the suitability of pigment in their end application. However, if we are provided with testing methods and samples, we would be glad to do the same. We will do our best to provide products of consistent quality, within the scope of the conditions of sale and delivery. Should, in spite of these precautions, any liability be established, the damage, if any, will be limited to the value of the goods delivered by us and used by you.

# Sudatherm™

Durable, high performance CICP pigments



**Sudatherm™ Yellow 6406K**  
(PY 53)



**Sudatherm™ Buff Yellow 6431K**  
(PBr 24)



**Sudatherm™ Tan 6416K**  
(PY 119)



**Sudatherm™ Brown 6411K**  
(PY 164)



**Sudatherm™ Copper Black 6461K**  
(PBk 28)

**Color Reproduction:** For technical reasons associated with color reproduction, the colors shown may not exactly match the pigment colors and do not represent a particular finish. Full shades are reproduced with 2% pigment loading. Tint shades are reproduced with a ratio of Pigment:TiO<sub>2</sub> = 1:4 in PP Polymer.

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