

Sudatherm™

Sudatherm™

Complex Inorganic Color Pigments for Plastics


SUDARSHAN
Outshine. Outdo.

Sudatherm™

Complex Inorganic Color Pigments for Plastics

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



Technical Information

Product Name & Code	C. I. Name	Chemistry	Applications										Properties				
			PS/SAN	PC	ABS	PET/PBT	Nylon 6	PVC - R	EVA	Polyolefin 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 ₂	●	●	●	●	●	●	●	●	●	●	8	8	5	5	500°C
Sudatherm™ Buff Yellow 6431K	PBr 24	(Ti,Cr,Sb)O ₂	●	●	●	●	●	●	●	●	●	●	8	8	5	5	500°C
Sudatherm™ Tan 6416K	PY 119	ZnFe ₂ O ₄	●	-	●	-	-	●	●	●	●	●	8	8	5	5	260°C
Sudatherm™ Brown 6411K	PY 164	(Ti,Mn,Sb)O ₂	●	●	●	●	●	●	●	●	●	●	8	8	5	5	500°C
Sudatherm™ Cobalt Blue 6421K	PB 28	CoAl ₂ O ₄	●	●	●	●	●	●	●	●	●	●	8	8	5	5	500°C
Sudatherm™ Cobalt Green 6451K	PG 50	Co ₂ TiO ₄	●	●	●	●	●	●	●	●	●	●	8	8	5	5	500°C
Sudatherm™ Copper Black 6461K	Pblk 28	CuCr ₂ O ₄	●	●	●	●	●	●	●	●	●	●	8	8	5	5	500°C
Sudatherm™ Jet Black 6462K	Pblk 28	CuCr ₂ O ₄	●	●	●	●	●	●	●	●	●	●	8	8	5	5	500°C

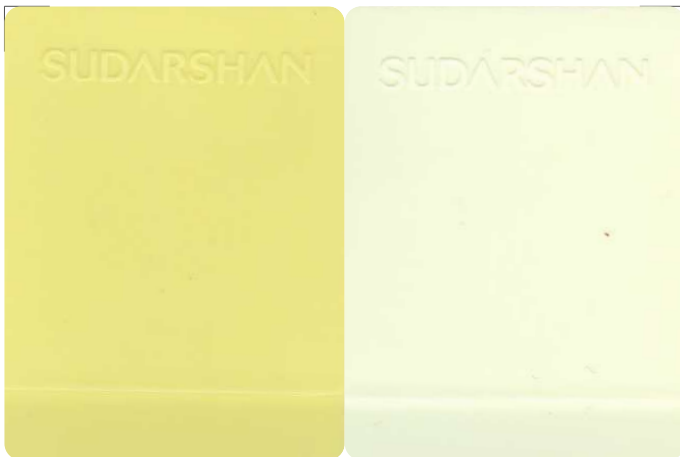
● Recommend ○ Potential Use - Not recommended

Light fastness: The fastness to light is 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'.

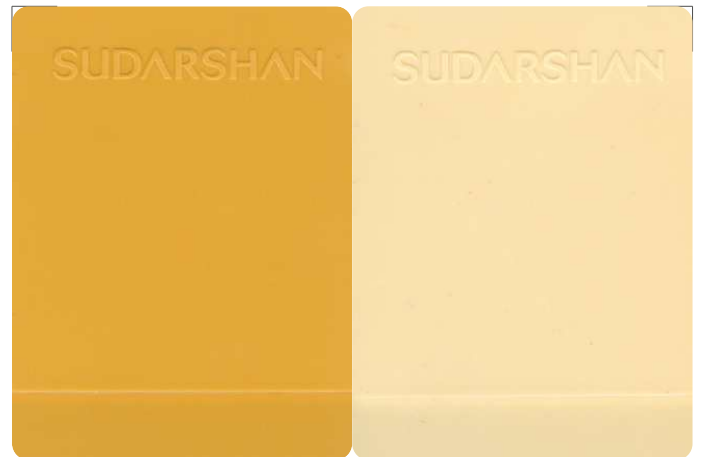
Weather fastness: The fastness to weather is determined on injection molded plastic swatches of approximately 2 mm thickness. Test swatches exposed in Xenon Arc for 1000 hrs and the visual rating given on 1 to 5 Grey scale where 1 = 'Poor' and 5 = 'Excellent'.

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).

ABS - acrylonitrile-butadiene-styrene | Nylon 6 - nylon 6 | PBT - polybutylene terephthalate | PET - polyethylene terephthalate | PS - polystyrene | SAN - styrene-acrylonitrile resin | PVC-R - rigid polyvinyl chloride | PC - polycarbonates | PMMA - polymethyl methacrylate | EVA - ethylene-vinyl acetate | PP - polypropylene | PE - polyethylene



Sudatherm™ Yellow 6406K
(PY 53)

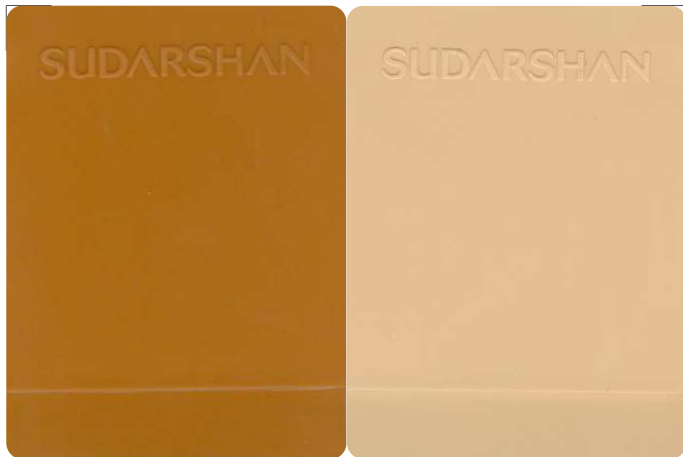


Sudatherm™ Buff Yellow 6431K
(PBr 24)

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.

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Sudatherm™ Tan 6416K
(PY 119)



Sudatherm™ Brown 6411K
(PY 164)



Sudatherm™ Cobalt Blue 6421K
(PB 28)



Sudatherm™ Cobalt Green 6451K
(PG 50)



Sudatherm™ Copper Black 6461K
(PBlk 28)



Sudatherm™ Jet Black 6462K
(PBlk 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:TiO₂ = 1:4 in PP Polymer.

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