SUDARSHAN

First choice for new formulations

Sudacolor™ Red 5016

Pigments for Plastics

Product Description

Yellowish, bright, opaque red pigment with good dispersability.

Product Information

Chemical Type	Monoazo Ba-lake	**CAS NO.**	5160-02-1
C. I. Name	Pigment Red 53:1	**EINECS / ELINCS NO.**	225-935-3
C. I. Constitution No.	15585:1	**Physical Appearance**	Red powder

Application Profile

Polyolefins	●	Spun Fiber - PP	●
Engineering Plastics	○	Spun Fiber - Nylon	––
PVC & PVC Leather Cloth	●	Spun Fiber - PET	––

● Recommend | ○ Potential Use | -- Not recommended

Technical Performance

Heat Stability	Bleeding Fastness		Full Shade	Tint
270°C	4-5	Weather Resistance	-	-
		Light Fastness	4-5	2-3

Physical Properties

Oil Absorption	45 ± 10%	Resistance to Acid	3-4
Specific Gravity	1.75 ± 0.1	Resistance to Alkali	4-5
Bulk Density (g/ml)	0.35 ± 0.1	Fastness to Bleeding in PVC -P	4-5
pH Value	6 - 8	Specific Surface Area	-
Volatile Matter	1.5% max	Average size of Primary Particle (nm)	-

- ✓ **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 indicated is the maximum temperature in ˚C at which a change of color (DE ≤ 3) occurs after a dwell time of 5 minutes in the barrel of an injection molding machine as per DIN EN 12877-1.
- ✓ **Oil absorption:** The oil absorption was determined on the basis of EN ISO 787-5 and given in g linseed oil per 100 gm. pigment.
- ✓ **Bleeding fastness:** The fastness to bleeding in PVC-P is determined on a colored PVC film in contact with a white-pigmented PVC film in an oven at 140˚C for 2 hrs and the visual rating given on 1 to 5 Grey scale where 1 = 'Poor' and 5 = 'Excellent'.

The above information is for guidance only and to the best of our knowledge it is accurate and reliable. However, as use conditions are not within our control, no guarantees are given or are to be inferred. Test methods used to generate this data can be provided on request.