SUDARSHAN

Sudacolor™ Yellow 162KF

Pigment for Plastics

Product Description

Sudacolor Yellow 162KF is a greenish shade Diarylide Yellow pigment, especially designed for film and fiber applications with controlled Filter Pressure Value. It is a cost effective pigment and has high color strength.
*Thermal decomposition of diarylide pigments occur if processed above temperature of 200°C.

Product Information

Chemical Type	Disazo	**CAS NO.**	4531-49-1
C. I. Name	Pigment Yellow 17	**EINECS / ELINCS NO.**	224-867-1
C. I. Constitution No.	21105	**Physical Appearance**	Yellow powder

Application Profile

Polyolefins	●	ABS	--
Polystyrene	--	Spun Fiber - PP	○
PVC & PVC Leather Cloth	●	Spun Fiber - Nylon	--
EVA	●	Spun Fiber - PET	--

● Recommend | ○ Potential Use | -- Not recommended

Technical Performance

Heat Stability	Fastness to Bleeding in LDPE		Full Shade	Tint
200°C*	4	Weather Resistance	-	-
		Light Fastness	7	6-7

Physical Properties

Oil Absorption	38 ± 10%	Resistance to Acid	5
Specific Gravity	1.20 + 0.1	Resistance to Alkali	5
Bulk Density (g/ml)	0.25 + 0.1	Fastness to Bleeding in PVC-P	3
pH Value	6 - 9	Specific Surface Area (m^2/g)	
Volatile Matter	1% 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 for 800 hrs 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 in HDPE:** 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 is 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'.

Disclaimer –
The information given in this data sheet is based on the present state of our knowledge & is intended as a general description of our products & their possible applications. Neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Because of the multitude of formulations, production & application conditions, all the above mentioned data have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases. It cannot be ruled out that this product contains particles < 0.1 µm. Any user of this product is responsible for determining the suitability of Sudarshan's products for its particular application & to ensure that any proprietary rights & existing laws & legislation are observed.

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