

# Sicotan® Yellow K 2001

<b>Chemical type</b>	Cr/Sb/Ti oxide
<b>CI Generic Name</b>	Pigment Brown 24
<b>CI Constitution No</b>	77310
<b>Description</b>	Industry standard reddish Cr-Titanate yellow, with ultimate performance and with high NIR reflection, for all polymers and processes even in very low concentrations.
<b>Preparations</b>	Depending on the suitability of the pigment, mono-pigment preparations for PVC, polyolefin, elastomers and further polymers may be available. Please contact your local BASF sales representative.

## Properties

### Coloristic properties



Full shade over white  
2.0 % in PVC



White reduction  
Ratio 1:4 in PVC

L*	68.1	L*	85.2
a*	23.7	a*	8.5
b*	57.6	b*	32.1
C*	62.3	C*	33.2
h°	67.7	h°	75.2

1/3 ISD at 1.0 % TiO<sub>2</sub> in HDPE: 3.00 %  
1/3 ISD at 1.0 % TiO<sub>2</sub> in PVC: 2.70 %

**Physical properties**

Product form	Powder
Density	4.72 g/cm <sup>3</sup>
Bulk density	0.59 kg/l
Bulk volume	1.7 l/kg
Specific Surface	3.2 m <sup>2</sup> /g

**Polymer suitability**

PVC	■		
LL / LDPE	■	HDPE	■
PP	■	PP fibers	□
PA6	■	PA6 fibers	□
PET	■	PES fibers	□
PC	■	PMMA	■
PS	■	HIPS	■
ABS	■	SAN	■
Rubber	■	PUR	■

■: Recommended      □: Limited suitability      ☒: Not recommended

If you need information on other polymers, please contact your local BASF representative.

**Technical performance**

For details regarding the test methods, please refer to the BASF Colorants for Plastics test methods overview or contact your local BASF representative.

**PVC-P**

	Full shade	White reduction
Pigment concentration	1.0 %	1.0 %
TiO <sub>2</sub> concentration		4.0 %
Migration (GS)	5	nt
Light fastness (BWS)	8	8
Hot light fastness (GS)	5	5
Weather resistance (GS) 3000 h	5	5
5000 h	5	5

nt: not tested

-: below limit of GS 3

**HDPE**

	Full shade	White reduction
Pigment concentration	1.0 %	1.0 %
TiO <sub>2</sub> concentration		4.0 %
Heat resistance (°C) Limit DE 3	300	300
Migration (GS)	5	nt
Light fastness (BWS)	8	8
Weather resistance (GS) 3000 h	5	5
5000 h	5	5

nt: not tested

-: below limit of GS 3

Warping

None

**PA6****Full shade**

Pigment concentration	1.0 %
Heat resistance (°C) Limit DE 3	320
Migration (GS)	5
Light fastness (BWS)	8

**PET****Full shade**

Pigment concentration	1.0 %
Heat resistance (°C) Limit DE 3	340
Migration (GS)	5
Light fastness (BWS)	8

**PC****Full shade**

Pigment concentration	1.0 %
Heat resistance (°C) Limit DE 3	360
Migration (GS)	5
Light fastness (BWS)	8

**PMMA****Full shade**

Pigment concentration	1.0 %
Heat resistance (°C) Limit DE 3	300
Migration (GS)	5
Light fastness (BWS)	8

**PS****Full shade**

Pigment concentration	1.0 %
Heat resistance (°C) Limit DE 3	300
Migration (GS)	5
Light fastness (BWS)	8

**HIPS****Full shade**

Pigment concentration	1.0 %
Heat resistance (°C) Limit DE 3	300
Migration (GS)	5
Light fastness (BWS)	8

**ABS****Full shade**

Pigment concentration	1.0 %
Heat resistance (°C) Limit DE 3	300
Migration (GS)	5
Light fastness (BWS)	8

**SAN****Full shade**

Pigment concentration	1.0 %
Heat resistance (°C) Limit DE 3	320
Migration (GS)	5
Light fastness (BWS)	8

**Regulatory and Compliance status**

For details regarding the regulatory and compliance status, please refer to the respective product regulatory information sheets and food contact certificates.

They are available upon request at [ed-psr@basf.com](mailto:ed-psr@basf.com).

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