

Sicotan® Yellow K 1011

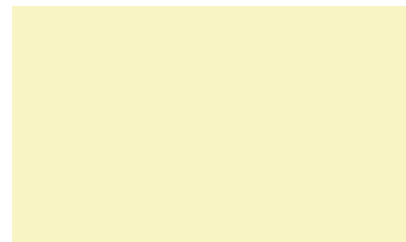
Chemical type	Ni/Sb/Ti oxide
CI Generic Name	Pigment Yellow 53
CI Constitution No	77788
Description	Greenish Ni-Titanate yellow, with ultimate performance and with high NIR reflection, for all polymers and applications even in very low concentrations.
Preparations	Depending on the suitability of the 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*	88.1	L*	95.3
a*	-7.0	a*	-5.7
b*	66.6	b*	23.4
C*	66.9	C*	24.1
h°	96.0	h°	103.6

1/3 ISD at 1.0 % TiO ₂ in HDPE:	3.20 %
1/3 ISD at 1.0 % TiO ₂ in PVC:	3.10 %

Physical properties

Product form	Powder
Density	4.61 g/cm ³
Bulk density	0.62 kg/l
Bulk volume	1.6 l/kg
Specific Surface	1.5 m ² /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 ₂ 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 ₂ 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.

Note

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