

# Cromophtal<sup>®</sup> Red K 4035

(Old: Cromophtal<sup>®</sup> Red 2B)



<b>Chemical type</b>	Azo condensation
<b>CI Generic Name</b>	Pigment Red 221
<b>CI Constitution No</b>	20065
<b>Description</b>	Highly transparent blue shade red with high saturation and color strength. Excellent dispersibility, particularly suited for PVC calendaring processes. Very good migration and rubbing resistance in PVC. Recommended for PUR.
<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  
0.10 % in PVC

Full shade  
over white  
0.50 % in PVC

White reduction  
1/3 ISD in PVC

L*	46.4	L*	38.6	L*	55.2
a*	59.7	a*	48.0	a*	49.8
b*	27.9	b*	22.8	b*	5.4
C*	65.9	C*	53.1	C*	50.1
h	25.1	h	25.4	h	6.2

1/3 ISD at 1.0 % TiO<sub>2</sub> in HDPE: 0.12 %  
 1/3 ISD at 1.0 % TiO<sub>2</sub> in PVC: 0.11 %

**Physical properties**

Product form	Powder
Density	1.37 g/cm <sup>3</sup>
Bulk density	0.30 kg/l
Bulk volume	3.3 l/kg
Specific Surface	19.0 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	0.10 %	0.20 %
TiO <sub>2</sub> concentration		2.00 %
Migration (GS)	5	nt
Light fastness (BWS)	7-8	6-7
Hot light fastness (GS)	5	3
Weather resistance (GS) 3000 h	-	-
5000 h	-	-

nt: not tested

-: below limit of GS 3

**HDPE**

	Full shade	White reduction
Pigment concentration	0.10 %	0.10 %
TiO <sub>2</sub> concentration		1.00 %
Heat resistance (°C) Limit DE 3	260	260
Migration (GS)	5	nt
Light fastness (BWS)	7	7
Weather resistance (GS) 3000 h	3	-
5000 h	-	-

nt: not tested

-: below limit of GS 3

Warping	not tested
Filter pressure value in PP (bar/g)	not tested

**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).

**Note**

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