



# Pigment Red 179 for Plastics

High Performance Perylene Pigments Producer in China

Pigment Red 179 (K-4180) is a high performance perylene pigments, which is widely used in plastics, masterbatches, fiber drawing, and other industries, it has strong light fastness and heat resistance, and the color strength is also very high.

## Chemicals Product

Trade Name	Pigment Red 179
C.I. No.	C.I.71130
CAS No.	5521-31-3
EC No.	226-866-1
Molecular Formula	$C_{26}H_{24}N_2O_4$

## Physical Data

Physical State	Powder
Appearance	Brilliant Red Powder
Odor	Odorless
Molecular Weight	418.42
PH Value	5-6
Light Fastness	8
Heat Stability	300°C
Strength %	100±5
Moisture %	≤1
Density	1.51g/cm <sup>3</sup>

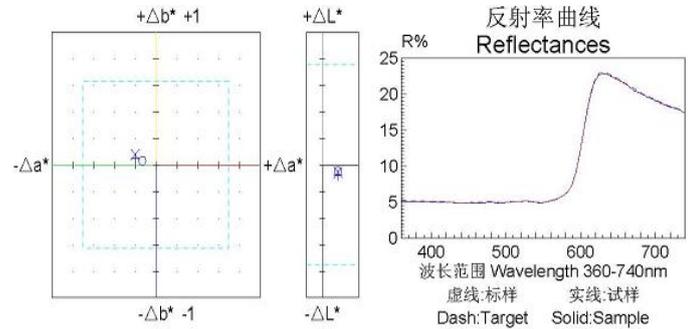
## Regulatory Compliance

FDA	PAHs
SVHC	octa-BDE (2003/11/CE)
RoHS	PFOS (2006/122/CE)
AP (89) 1	NP OP NPEO OPEO (2003/53/CE)
ELV Directive 2000/53/CE	Azodyes (2002/61/CE)
EN 71:2013	ODS (2037/2000/CE)

## Applications

PVC	●	SAN	●
PUR	●	PMMA	●
PE	●	CA/CAB	●
PP	●	UP	●
PS	●	PC	○
SB	●	PA	○
●	recommended	○	limited suitability

## Analysis Report for Color Difference



## BET Surface Area

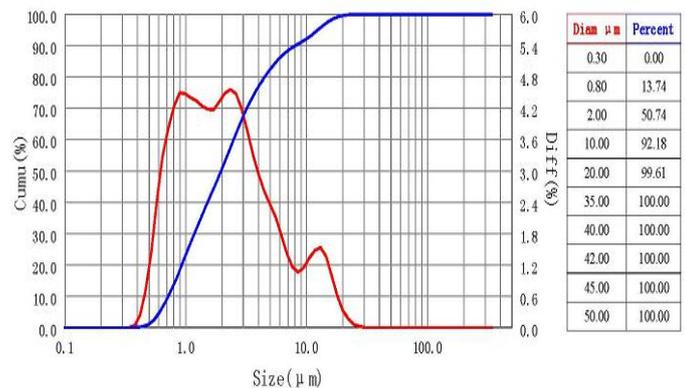
ID	Pd	Pcd	P/Po	V	1/[V(Po/P-1)]
3	14.66481	8.33292	0.08127	17.14529	0.00516
4	17.97281	11.77081	0.11479	19.07473	0.00680
5	21.34170	15.26958	0.14892	20.56688	0.00851
6	25.25853	18.96318	0.18494	21.91620	0.01035
7	28.94807	22.68519	0.22124	23.11679	0.01229
8	32.67008	26.42344	0.25769	24.23697	0.01432
9	36.41239	30.14545	0.29399	25.44554	0.01636

Slope	Intercept	Vm	C	Cc
0.05266	0.00074	18.72486	72.13626	0.99963

BET Surface Area (m<sup>2</sup>/g): 81.64040

## Partical Size



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