



Pigment Black 32 for Coatings

High Performance Perylene Pigments Producer in China

Pigment Black 32 (L-0086) is a high performance perylene pigments, widely used in automotive varnish and refinish paint, photovoltaic materials, lithium battery materials, architectural paint and printing ink, it has strong light fastness and heat resistance, and the color strength is also very high.

Chemicals Product

Trade Name	Pigment Black 32
C.I. No.	C.I.71133
CAS No.	83524-75-8
EC No.	280-472-4
Molecular Formula	C₄₀H₂₆N₂O₆

Physical Data

Physical State	Powder
Appearance	Black powder with green light
Odor	Odorless
Molecular Weight	630.64
PH Value	6-7
Light Fastness	8
Heat Resistance	280°C
Strength %	100±5
Moisture %	≤0.5
Oil Absorption (%)	35±5

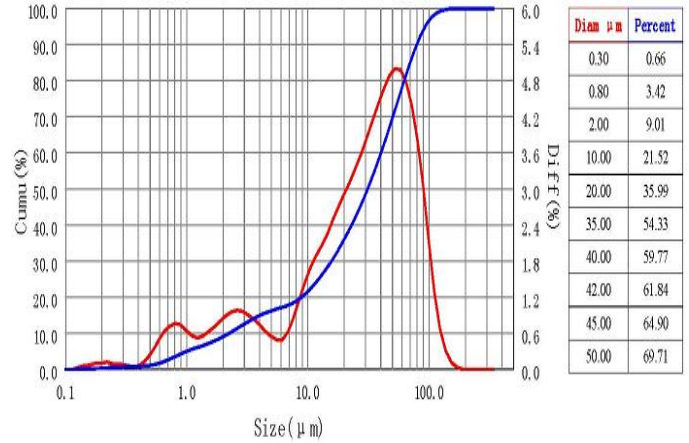
Regulatory Compliance

ELV Directive 2000/53/EC	✓
AP (89) 1	✓
EN 71 Part 3:1994	✓
EN 71 A1:2000	✓
EN 71 AC:2002	✓
ECD 94/62/EC	✓

Applications

Automobile Paint	●
Photovoltaic Materials	●
Lithium Battery Materials	●
Printing Ink	●
Architectural Paint	●
● recommended	○ limited suitability

Partical Size



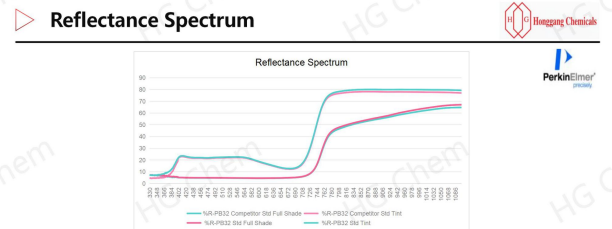
BET Surface Area

ID	Pd	Pcd	P/Po	V	1/(V(Po/P-1))
2	13.06966	7.08684	0.06911	3.63701	0.02041
3	16.76326	10.84944	0.10581	4.02988	0.02936
4	20.44062	14.58769	0.14227	4.37575	0.03790
5	24.08551	18.28534	0.17833	4.73907	0.04580
6	28.27836	22.16971	0.21621	5.15143	0.05355
7	32.15055	26.05002	0.25405	5.55995	0.06126
8	36.03085	29.92221	0.29182	6.00867	0.06858
9	39.90304	33.79440	0.32958	6.45739	0.07613

Slope	Intercept	Vm	C	Cc
0.21227	0.00701	4.56044	31.27715	0.99917

BET Surface Area (m²/g): 19.88354

Reflectance Spectrum



Pigment	Paint	DE*	L*	a*	b*	C*	h°
Std	Full Shade	0.15	25.5	-0.5	-0.5	0.7	229.6
	Tint	0.06	53.6	-6.1	-1.4	6.2	193.1
Competitor Std	Full Shade	0.02	25.6	-0.4	-0.6	0.7	231.5
	Tint	0.02	53.2	-6.1	-1.6	6.3	194.7