

# Carbon Black BC 1001

## Economical Option to Special Blacks

BC 1001 is not a one to one replacement of any of the competition product. This finds a place in between ASTM Grades and the Special Blacks therefore is an economical option to special black in non-critical applications where customer requires better colour and flow.

It is a good replacements in dispersions where a blend of Special Black and ASTM grade is used to optimize the quality and economics.

This grade is especially developed for printing ink, Coatings and low viscosity dispersions where higher colour is required without compromising on flow.

### Application and Advantage

- BC 1001 is having extremely low Oil absorption compared to any other ASTM grade and therefore exhibits very low viscosity in dispersion.
- The high tint value imparts very dark colour compared to ASTM grades but it is slightly yellower / redder compared to special Blacks.
- Low OAN helps in easier dispersion and better gloss due to low binder requirement
- Since it requires very low binder, higher loading of CB is possible compared to ASTM Blacks, increasing the productivity.
- Provides good weather resistance compared to the other ASTM grades, makes it more suitable for Exterior applications.
- Good rub resistance.
- BC 1001 pigment black is recommended for lithographic gloss ink and low end decorative coatings applications where good color strength, good flow and high gloss are required.
- In liquid Inks also BC 1001 pigment black is applicable for its very easy dispersion and low vehicle requirement that imparts high gloss along-with low viscosity
- BC 1001 exhibits better dispersibility but is largely dependent on the equipment and the formulation

## Typical Applications

BC 1001 can be used in a variety of Inks & coating applications

- \* News web Inks
- \* Liquid Inks and dispersions
- \* Economical Decorative Coatings

Wood Finishes,

Architectural Coatings

Metal Coatings

## TYPICAL SPECIFICATION OF BC 1001

Test Parameters	Unit	ASTM Method	BC 1001 Specification
Iodine No	mg/g	D1510	102 ± 5
Oil Absorption Number	cc/100g	D2414	55 ± 5
Tint Strength	% ITRB	D3265	120 ± 6
Heating Loss	%	D1509	2.5 max
Ash content	%	D1506	0.75 max
Fine content	%	D1508	10 max
Sieve Residue# 325	%	D1514	0.04 max
Avg. Pellet Hardness	gf	D5230	75 max

**Ram Charan Company** | Samson Tower, 403, L – Pantheon Road, 6th Floor, Egmore, Chennai 600 008. Tamil Nadu, India.

Phone : +91 44 4353 9040 • Fax : +91 44 4330 7050 • Email : [mktg@ramcharan.org](mailto:mktg@ramcharan.org) • Website : [www.ramcharan.org](http://www.ramcharan.org)

**Mumbai** | 09821216311  
[mumbai@ramcharan.org](mailto:mumbai@ramcharan.org)

**Kolkata** | 09433346713  
[calcutta@ramcharan.org](mailto:calcutta@ramcharan.org)

**Hyderabad** | 09848208821  
[hyd@ramcharan.org](mailto:hyd@ramcharan.org)

**Chennai** | 044 43539040  
[chennai@ramcharan.org](mailto:chennai@ramcharan.org)

**Hosur** | 09443272475  
[hosur@ramcharan.org](mailto:hosur@ramcharan.org)

**Madurai** | 09843044928  
[madurai@ramcharan.org](mailto:madurai@ramcharan.org)

**Cochin** | 09847030708  
[cochin@ramcharan.org](mailto:cochin@ramcharan.org)

**Bangalore** | 09980777298  
[bangalore@ramcharan.org](mailto:bangalore@ramcharan.org)

**New Delhi** | 08882642220  
[ashwani@ramcharan.org](mailto:ashwani@ramcharan.org)

**Pune** | 07276243224  
[roshan@ramcharan.org](mailto:roshan@ramcharan.org)