

**DEEP**  
MASTERBATCHES

## Deep Plast Industries

Plastic Colour Masterbatches &  
Additive Compounds  
AN ISO 9001: 2008 Company

### Black Masterbatch

Different types of Carbon Black based Masterbatch with various loading and polyolefin's polymer as per application requirement along with excellent dispersion.

We use only Branded & suitable grade of carbon black for processing of masterbatch. Carbon blacks are composed of spherical particles ranging in diameter from 10 to 90 nm. and in surface area from 25 to 150 m<sup>2</sup>/gm. Greater surface area increase both jetness and UV resistance because more surface is optically available for absorption of visible & UV light.

We Offer variety of grades of black master batches for various applications.

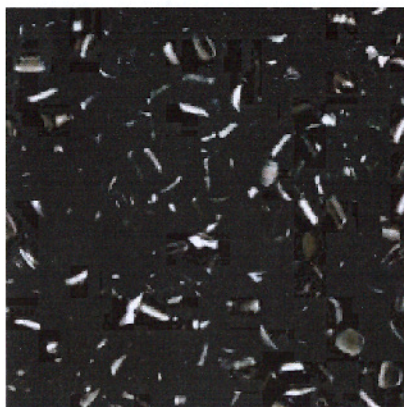
(Loading of carbon black is about 40 to 55 %)

#### Properties

- Carbon black with excellent jetness with deep color & excellent dispersion properties
- Key additive in many types of plastic resins, carbon black can impart a variety of desirable characteristics, including color, protection from UV radiation and conductivity.
- High temp degradation.
- A central ingredient to imparting clean, jetness, or fine tuning the shades of color for the right eye appeal

Factory : Block No.553, Rakanpur (Santaj), Taluka: Kalol, Dist: Gandhinagar (Gujarat) India Pin- 382721  
Phone : +91-2764-286032 / 286450, Fax : 02764-286451

Office : 39, 40, Nagarvel Industrial Estate, Rakhial, Ahmedabad-380 023 (Guj.) INDIA  
Tele Fax : +91-79-22747513, 22761426 e-mail : [info@deepplast.com](mailto:info@deepplast.com) Web : [www.deepplast.com](http://www.deepplast.com)



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Particle size has a direct influence on performance property. The particle sizes with typical ranges of 14- 90 mill micron are used.

Particle size Impact

70 mμ			10 mμ		
Masstone			Darker		
Tint			Stronger		
Undertone			Browner		
Surface Area			Higher		
Porosity			Greater		
DBP Absorption			Higher		
pH			Lower		
Moisture Pickup			Higher		
Volatiles			Higher		
Dispersibility			Harder		
Reinforcement			Better		
U V Screening			Better		
Ele. Conductivity			Higher		
Thermal Conductivity			Lower		

Market Proven Grades of DEEP Masterbatches.

Masterbatches	Blown Film	Cast Film	Extrusion Coating	Raffia	Extrusion	Thermoforming	Injection Molding	Blow Molding	Rotomolding	Pipe	Drip	Filament
Special Black D9-903	○	○	○	○	○	○	○	○	○	○	○	
Super Black D9-904							○			○		
Premium Black 905					○						○	○
Super Black D9-910									○	○		

For maximum UV stability & protection the final product should contain 2.5 % of carbon black.

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