

TECHNICAL DATA SHEET

Product Description

BLACK 20/45 P is a Polyethylene (PE) based Black masterbatch. It is specially designed for LDPE, LLDPE, HDPE and PP in Injection molding, Extrusion and Blow molding application, requiring excellent dispersion. The product is developed for packaging intended to have food contact.

Addition Level

The addition level of masterbatch added depends on the performance requirements of the final application. Typically addition rates vary from 2% to 8% masterbatch.

Masterbatch Information

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|--------------------|----------------------------|
| 1. Product Code | BLACK 20/45 P |
| 2. Colour | BLACK |
| 3. Carrier Polymer | PE |
| 4. Appearance | Cylindrical Black Granules |

Physical Properties:

Properties	Unit	Test Method	Specification
1. Light Fastness	--	--	7 - 8
2. Heat Stability	°C	--	280°C
3. Migration	--	--	4 - 5
4. Moisture Content (Temp120°C, 10Min.)	%	ASTM D6980	< 0.20
5. Bulk Density	Gm/cc	ASTM D1895	0.90 ± 0.1
6. Melt flow Index (At 190°C/ 10 kg)	Gm/ 10Min.	ASTM D1238	NO FLOW
7. Toxicity	--	--	NON-TOXIC
8. Dispersion	--	--	EXCELLENT
9. Carbon Content	%	ASTM D1603	20 ± 1
10. Filler Content	%	ASTM D5630	50 ± 2

Regulatory

The product is food compliance as per 21 CFR US FDA 177.1520 AND 178.3297, EU AP 89(1) and Indian standard IS9833:2018.

Packaging & Storage

Black Masterbatch BLACK 20/45 P is supplied in regular pellet form packed in 25 kg bags. It should be stored in dry place.

Recommended storage life is 3 years provided it is stored as directed.

Note: Above Report is made in identical condition, Values may be different when process on different machines and/or different processing condition, hence cannot be compare with any other same colour or product.

TECHNICAL SERVICES