

PLASTICS

PLASTEXA

Series

PLASTEXA 230

PLASTEXA 230 is a high-colour specialty carbon black for plastics – deep-black moulded parts, high-jetness masterbatch, films and strong tinting – where colour depth and tint strength matter more than the economy positioning of lighter grades. Its fine ~24 nm particle size and high surface area deliver high jetness and tint strength, while its low structure keeps dispersion easy and let-down viscosity moderate even at higher loadings.

Supplied as free-flowing beads, PLASTEXA 230 disperses readily for both high-loading masterbatch and direct compounding across film, sheet, profile and moulded parts. It is positioned as the high-colour grade of the PLASTEXA series, sitting above the economy PLASTEXA 220 where deeper blackness and stronger tinting are required.

KEY APPLICATIONS

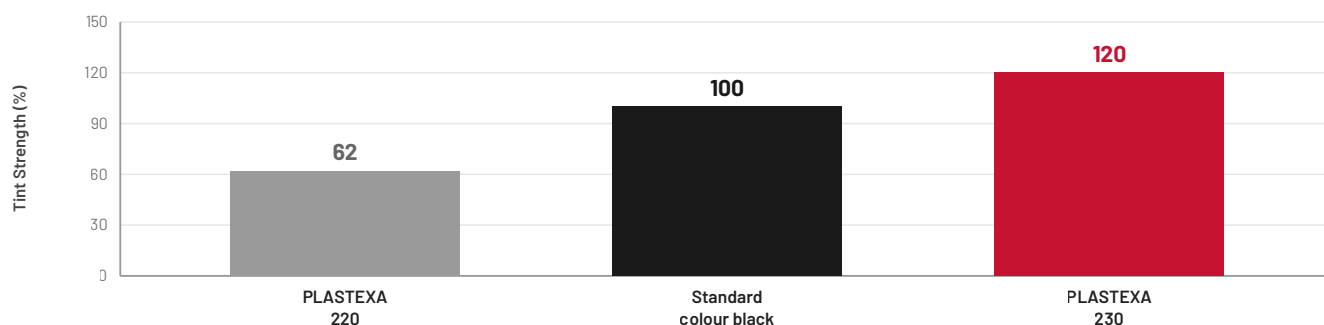
- High-jetness moulded parts
- Deep-black masterbatch
- Tinting & greying of plastics
- Film & sheet (high blackness)
- Profiles, pipe & sheet
- General moulded parts

PERFORMANCE FEATURES

- High colour & deep jetness
- High tint strength (~120%)
- Fine ~24 nm particle size
- Low structure – easy dispersion
- Moderate let-down viscosity
- Deep blue-tone, neutral black

TINT STRENGTH COMPARISON

Relative tint strength · IRB 3 = 100%



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	-	Bead
Iodine Adsorption	mg/g	120 ± 10
DBP Absorption No.	cc/100g	64 ± 6
Tint Strength	%	120 ± 6
Mean Particle Size	nm	24 ± 2
Sieve Residue 325M	ppm	≤ 100
Heating Loss	%	≤ 2.0
Ash Content	%	≤ 0.5

APPLICATION FIELD

Application	Recommended Dosage
High-Jetness Moulded Parts	0.5 – 2%
Deep-Black Masterbatch	15 – 40%
Tinting / Greying of Plastics	0.3 – 2%
Film & Sheet (high blackness)	1 – 2.5%
Profiles & Pipe	1 – 2.5%
General Moulded Parts	1 – 3%

Recommended dosage (% in final part or as masterbatch) can vary with resin, process and dispersion.

Physical Form: Bead | Packaging: 25 kg paper/PE bag or 750 kg FIBC

ISTAR MATERIALS

Ground Floor, Plot 1/3, Priyadarshini Parisar
West Yellow Building
Opp. Hotel Grand Dhillon, Behind IDBI Bank
Bhilai, Chhattisgarh – 490020, India

+91-9301988995

+91 96305 20016

info@istarmaterials.com

Notice and Disclaimer

The data and information provided herein are based on our current knowledge and experience and are believed to be accurate. However, ISTAR MATERIALS cannot guarantee that similar results will be obtained by others as processing conditions and formulations may vary. This information is provided for guidance purposes only and does not constitute a warranty or guarantee of performance.