

PLASTICS

PLASTEXA

Series

PLASTEXA 223

PLASTEXA 223 is a high-colour specialty carbon black for engineering and high-performance plastics, delivering deep masstone jetness, strong tinting strength and the "piano-black" appearance demanded in premium automotive, electronics and consumer parts. Its fine particle size and high surface area maximise colour depth and UV protection at low loading.

As with all high-jet blacks, full performance depends on good dispersive mixing: complete de-agglomeration gives a smooth, defect-free surface and preserves mechanical properties, while poor dispersion causes surface defects. PLASTEXA 223 is typically supplied via masterbatch and positioned where colour and surface quality are decisive.

KEY APPLICATIONS

- Automotive interior & exterior parts
- Electronics & E&E housings
- Consumer "piano-black" parts
- Engineering-resin compounds
- High-jet masterbatch

PERFORMANCE FEATURES

- Deep masstone jetness ("piano black")
- High tinting strength at low loading
- Good UV protection (high surface area)
- Smooth defect-free surface when dispersed
- Preserves mechanical properties
- For engineering & premium plastics

Jetness vs Dispersibility – Plastics Grades



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	-	Bead + Powder
DBP Absorption No.	cc/100g	65 ± 6
BET Surface Area	m ² /g	205 ± 7
PH Value		9.0 ± 1
Tint Strength	%	140 ± 6
Average Original Particle Size	nm	22 ± 2
Volatile Content	%	≥ 1.5

APPLICATION FIELD

Application	Recommended Dosage
Automotive Premium Parts	0.8 – 2%
Electronics / E&E Housings	0.8 – 2%
Piano-Black Consumer Parts	1 – 2.5%
Engineering Resins	1 – 2.5%
High-Jet Masterbatch	25 – 45%
Film & Sheet (premium)	1 – 2.5%

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

Physical Form: Bead + Powder | Packaging: 10 kg (powder) / 20 kg (bead) paper or PE bag

ISTAR MATERIALS

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

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.

+91-9301988995

+91 96305 20016

info@istarmaterials.com