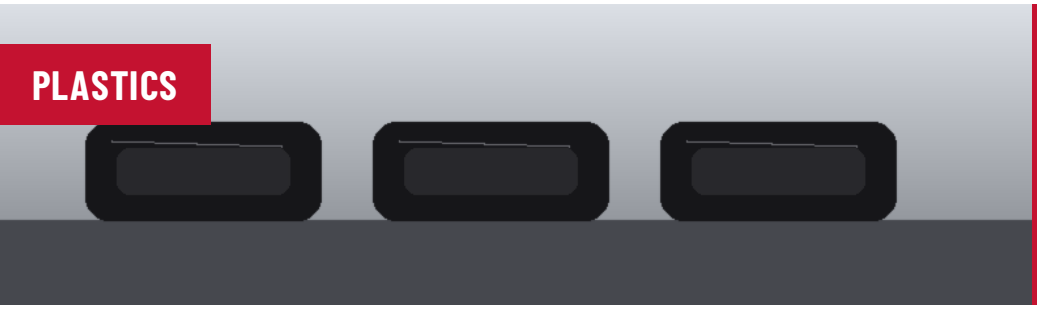
TECHNICAL DATA SHEET



PLASTEXA
Series

PLASTEXA 221

PLASTEXA 221 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.

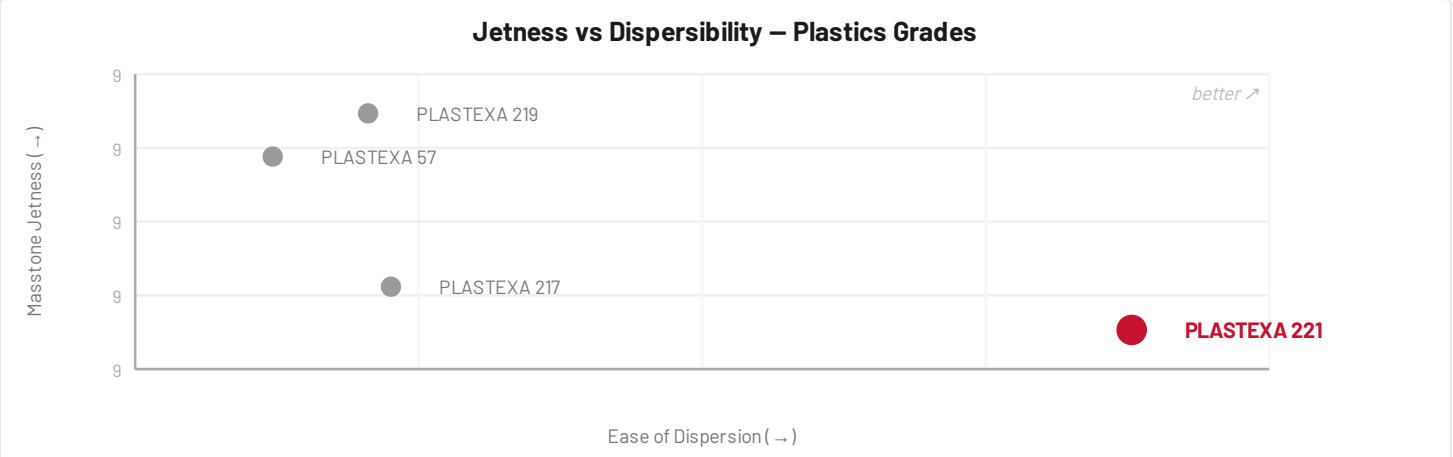
As with all high-jet blacks, full performance depends on good dispersive mixing: complete de-agglomeration gives a smooth, defect-free surface and preserves mechanical properties, while poor dispersion causes surface defects. PLASTEXA 221 is typically supplied via masterbatch and positioned where colour 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



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	–	**Bead + Powder**
DBP Absorption No.	cc/100g	**96 ± 6**
BET Surface Area	m^2/g	**200 ± 7**
PH Value		**3.0 ± 1**
Tint Strength	%	**130 ± 6**
Average Original Particle Size	nm	**20 ± 2**
Volatile Content	%	**≥ 5.0**

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

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Notice and Disclaimer

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