

PLASTICS

PLASTEXA

Series

PLASTEXA 159

PLASTEXA 159 is a clean, easy-dispersing specialty carbon black for fibre and fine-denier spinning and high-cleanliness plastics, with low sieve residue and tight particle control to minimise filament breaks and surface defects. It delivers uniform colour with excellent processability.

PLASTEXA 159 suits staple and continuous fibre, spunbond, fine film and thin-wall mouldings where physical cleanliness (low grit) is critical. It is typically supplied for high-loading masterbatch and disperses readily for consistent, defect-free output.

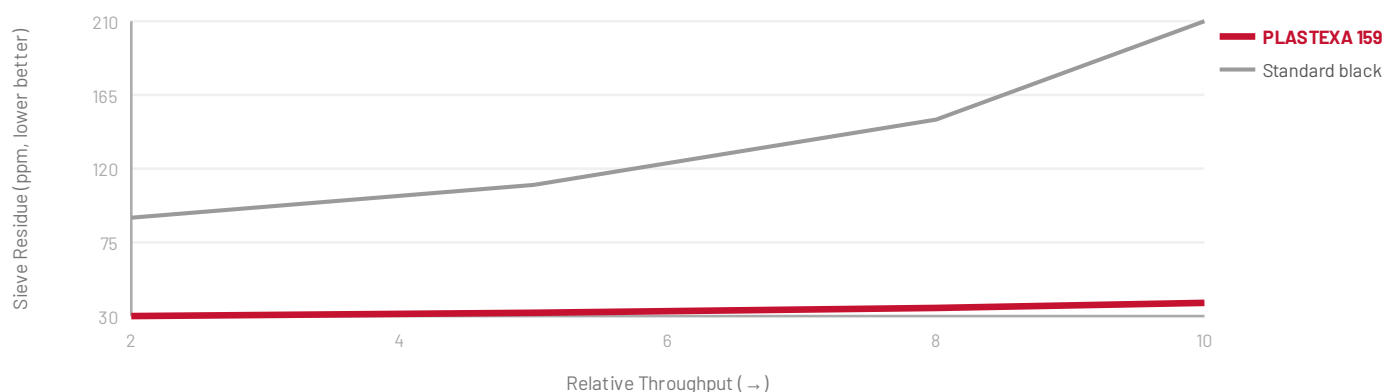
KEY APPLICATIONS

- Staple & continuous fibre
- Spunbond & fine-denier yarn
- Thin-wall & fine-film mouldings
- High-cleanliness compounds
- Fibre masterbatch

PERFORMANCE FEATURES

- Low sieve residue / high cleanliness
- Tight particle-size control
- Easy dispersion, fewer filament breaks
- Uniform colour in fine deniers
- Excellent processability
- High-loading masterbatch ready

Filament Cleanliness – Sieve Residue vs Throughput



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	-	Bead
Iodine Adsorption	mg/g	83 ± 5
DBP Absorption No.	cc/100g	100 ± 3
Tint Strength	%	105 ± 5
Sieve Residue 325M	ppm	≤100
Heating Loss	%	≤1.5
Ash Content	%	≤0.5

APPLICATION FIELD

Application	Recommended Dosage
Automotive Interior Parts	1 – 2.5%
Masterbatch	25 – 42%
Engineering Compounds	1.5 – 3%
Wire & Cable (jacket)	2 – 2.5%
Moulded Parts	1.5 – 3%
Film & Sheet	1.5 – 3%

■ Recommended dosage (% in final part or as masterbatch) can vary with resin, process and dispersion.
Physical Form: Bead | Packaging: 20 kg 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.

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