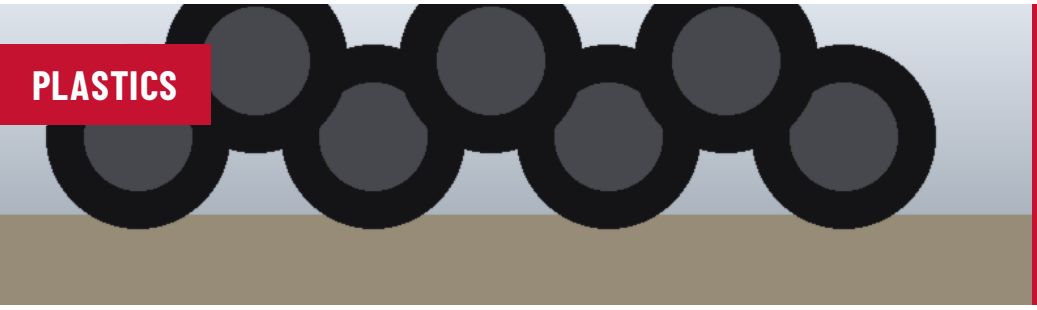
TECHNICAL DATA SHEET



PLASTICS

PLASTEXA
Series

PLASTEXA 231

PLASTEXA 231 is a versatile, cost-effective specialty carbon black for general-purpose plastics, masterbatch, pipe and profile, giving dependable blackness, good dispersibility and useful UV screening. Its larger particle size gives easy dispersion, low viscosity build and economical colouration.

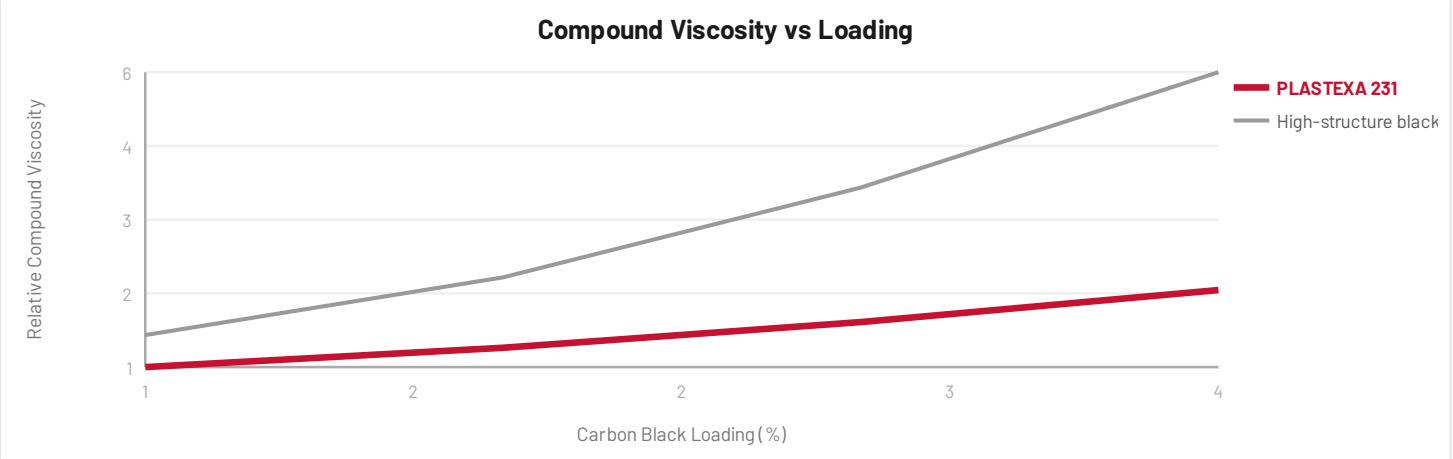
PLASTEXA 231 is used in polyolefin masterbatch, HDPE pipe, geomembrane, film, moulded parts and general extrusion where reliable, economical black with good processability is required. Loading depends on target shade and UV-protection level.

KEY APPLICATIONS

- General-purpose masterbatch
- HDPE pipe & geomembrane
- Moulded & extruded parts
- Profile, film & sheet
- Economy black compounds

PERFORMANCE FEATURES

- Reliable, economical blackness
- Easy dispersion (larger particle)
- Useful UV screening
- Low viscosity build
- Versatile across polyolefins
- Good processability



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	–	**Powder**
DBP Absorption No.	cc/100g	**50 ± 6**
BET Surface Area	m^2/g	**21 ± 7**
PH Value		**8.0 ± 1**
Tint Strength	%	**54 ± 4**
Average Original Particle Size	nm	**85 ± 3**
Volatile Content	%	**≥ 0.5**

APPLICATION FIELD

Application	Recommended Dosage
Economy Masterbatch	30 – 45%
General Moulding	2 – 4%
Profile & Sheet	2 – 4%
Black Compounds	2 – 4%
Economy Pipe	2 – 3%
Film (economy)	2 – 4%

Recommended dosage (% in final part or as masterbatch) can vary with resin, process and dispersion.
Physical Form: Powder | Packaging: 10 kg paper or PE bag

ISTAR MATERIALS

Ground Floor, Plot 1/3, Priyadarshini Parisar
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Notice and Disclaimer

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