

PLASTICS

PLASTEXA

Series

PLASTEXA 100

PLASTEXA 100 is a clean, UV-protective specialty carbon black developed for demanding plastic applications where dependable weathering protection and high purity are required. It pairs strong UV absorption with excellent chemical and physical cleanliness – low sulphur, low grit and low ash – for reliable long-term performance in pressure pipe, geomembrane and protective masterbatch.

PLASTEXA 100 delivers high dispersibility and masterbatch dilutability with low compound moisture absorption and good processability for smoother surfaces. It suits PE pressure pipe for potable water and gas, irrigation pipe, geomembrane, UV-stabilised masterbatch, film and profile where outdoor durability and clean processing matter.

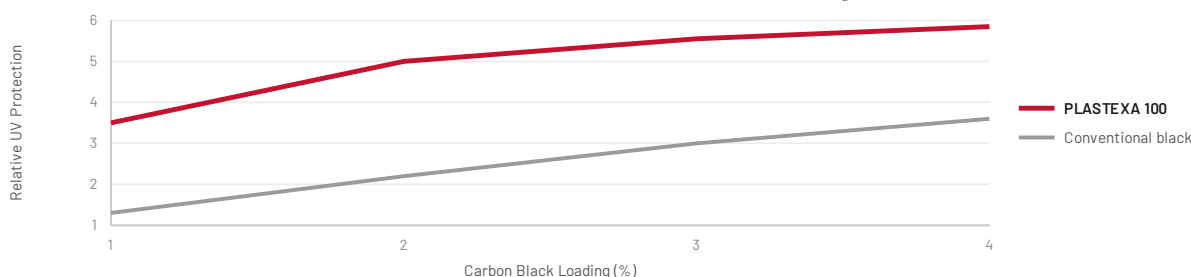
KEY APPLICATIONS

- UV-stabilised masterbatch
- PE pressure pipe (water & gas)
- Irrigation pipe
- Geomembrane & lining
- Film, profile & sheet

PERFORMANCE FEATURES

- Excellent UV absorption & weathering protection
- Excellent chemical & physical cleanliness
- Low grit, ash & extractables
- Low compound moisture absorption
- High masterbatch dilutability
- Good processability for smoother surfaces

UV Protection vs Carbon Black Loading



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	–	Bead
DBP Absorption No.	cc/100g	95 ± 5
BET Surface Area	m ² /g	89 ± 7
pH Value	–	8.0 ± 1
Tint Strength	%	104 ± 6
Avg. Original Particle Size	nm	32 ± 3
Sulphur Content	%	≤ 0.1

APPLICATION FIELD

Application	Recommended Dosage
UV Masterbatch	30 – 45%
PE Pressure Pipe	2 – 2.5%
Geomembrane	2 – 2.5%
Irrigation Pipe	2 – 2.5%
Film & Profile	1.5 – 3%
Moulded Parts	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

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