

PLASTICS



PLASTEXA

Series

PLASTEXA 80

PLASTEXA 80 is a high-jet specialty carbon black for polyurethane (PU) systems — flexible and rigid foam, CASE (coatings, adhesives, sealants, elastomers), RIM, footwear soles and PU dispersions. It delivers deep masstone jetness and strong tinting strength, so low loadings achieve a full, dependable black with reliable UV protection.

With high structure (DBP ~106 cc/100g) and fine particle size, PLASTEXA 80 balances deep colour with workable dispersion in the polyol phase, and is typically incorporated via masterbatch or a polyol-based colour paste for consistent, reproducible black.

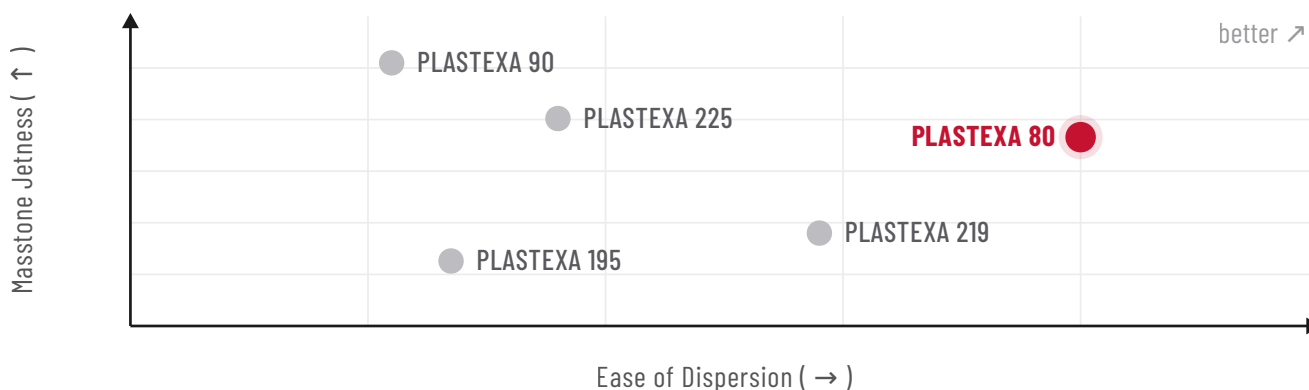
KEY APPLICATIONS

- Flexible & rigid PU foam
- CASE — coatings, adhesives, sealants, elastomers
- RIM & integral-skin parts
- Footwear soles
- PU dispersions & colour pastes

PERFORMANCE FEATURES

- Deep masstone jetness in PU
- Strong tinting strength — low loading for full black
- Good UV / weathering protection
- High structure (DBP ~106) aids dispersion
- Consistent batch-to-batch colour
- Suited to foam, CASE, RIM & footwear

Jetness vs Dispersibility — Plastics Grades



TYPICAL VALUE

Test Items	Unit	Standard
Physical Form	—	Powder
DBP Absorption No.	cc/100g	106 ± 6
BET Surface Area	m ² /g	242 ± 7
PH Value		8.0 ± 1
Tint Strength	%	138 ± 6
Average Original Particle Size	nm	20 ± 2
Volatile Content	%	≤ 1.5

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

Physical Form: Powder | Packaging: 25 kg paper or PE bag

APPLICATION FIELD

Application	Recommended Dosage
PU Foam (mass tone)	0.5 – 2%
CASE / Elastomers	1 – 3%
Footwear Soles	1 – 2.5%
RIM / Integral Skin	0.5 – 2%
Colour Masterbatch / Paste	25 – 45%

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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