

BLACK PEARLS® 5160 SPECIALTY CARBON BLACK

Introducing **BLACK PEARLS 5160 specialty carbon black** – expanding our portfolio for fine denier polyester and polyamide synthetic fibers

Product highlights

BLACK PEARLS 5160 specialty carbon black is a high jetness specialty carbon black for synthetic fiber applications that offers the filterability needed to produce filament fibers.

Key applications

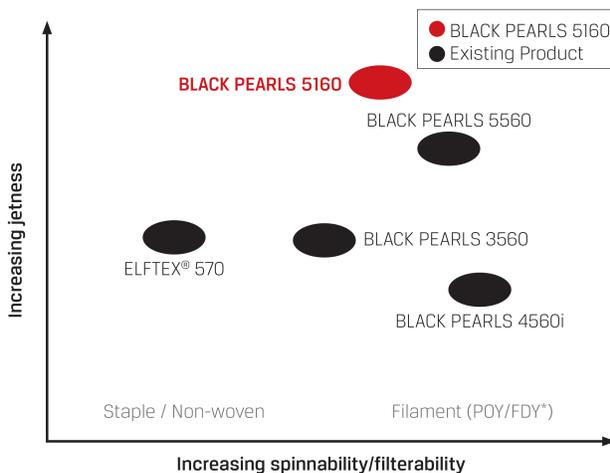
BLACK PEARLS 5160 specialty carbon black is typically used in synthetic fiber applications where very high color performance and good filterability are required, eliminating the tradeoff that typically happens when one of these key qualities is required for a formulation.



Features of this specialty carbon black include:

- ◆ Designed for use in polyester, polyamide, and other synthetic fibers for a wide range of applications via extrusion or direct spinning
- ◆ Imparts a higher level of jetness without completely sacrificing filterability as measured by Cabot's fine screen delta P (FSDP test)
- ◆ Enables longer run times through quality consistency

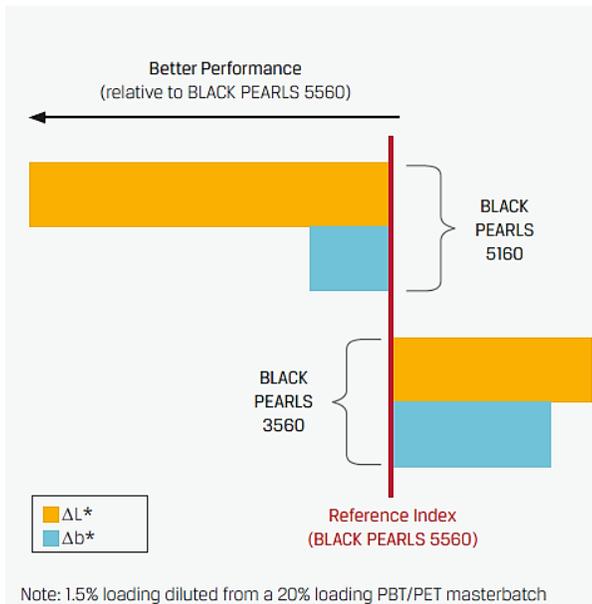
Figure 1: Specialty Carbon Blacks for Synthetic Fibers



* FDY: Fully Drawn Yarn
POY: Partially Oriented Yarn

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Figure 2: Relative color performance of BLACK PEARLS 5160 specialty carbon black compared to BLACK PEARLS 5560 specialty carbon black



TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
Iodine number	220	mg/g	ASTM D1510
OAN	75	ml/100 g	ASTM D1214
Tint	135	%	ASTM D-3265

The data in the table above are typical test values intended as guidance only; they are not product specifications. Product specifications are available upon request from your Cabot representative.

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at cabotcorp.com.

The BLACK PEARLS name is a registered trademark(s) of Cabot Corporation.

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