

AF-Carbon[®]

Technically sophisticated carbon black concentrates for polyamides



AF-COLOR
MASTERBATCHES

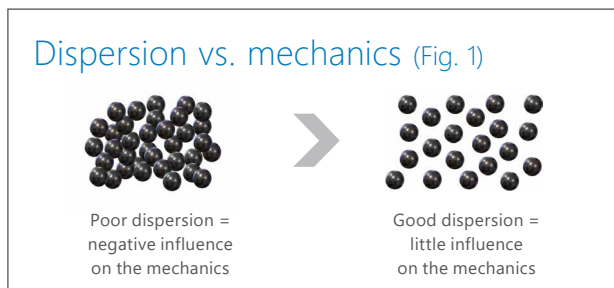
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Polyamide – robust and durable plastic for technically challenging applications

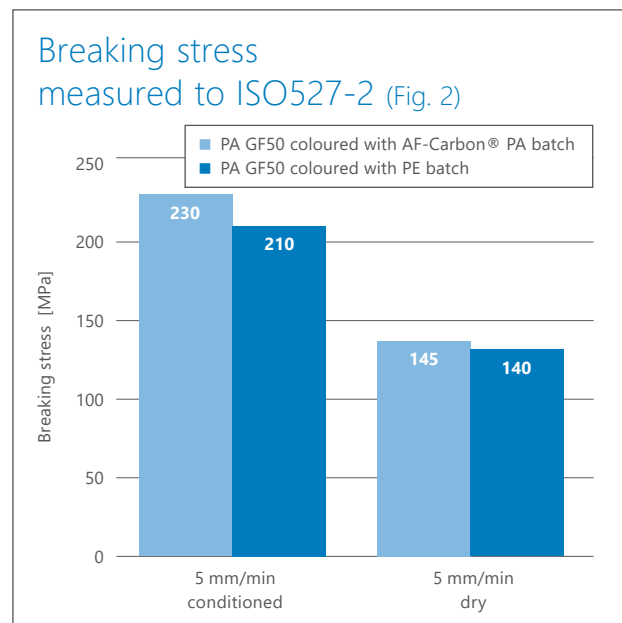
Polyamides (PA) are a group of semi-crystalline polymers that are known for their wide range of applications in the plastics industry. In addition to its high wear resistance, excellent sliding properties and good flow behaviour, this material is the product of choice for many customers, particularly because it can be reinforced with glass or carbon fibres.

The challenge with the colouring of polyamides, especially with black colouring, is the preservation of the mechanical properties. This is because carbon black in particular can have a negative impact on these properties. Due to the high specific surface area of the carbon black particles, they adhere to each other and form agglomerates. Good dispersion is necessary to ensure that these agglomerates are as small as possible.



Our products in the AF-Carbon® range have been tried and tested over many years. Benefit from our expertise.

AF-COLOR therefore offers you high-quality carbon black concentrates with outstanding dispersion for the highest demands. In contrast to the use of polyethylene-based masterbatches, our polyamide-based masterbatch offers you higher mechanical values, such as the breaking stress shown.



AF-Carbon® PA 950610 black

Carbon black content	Dosing recommendation	Temperature resistance	Conformity
25 %	2–3 %	320 °C	EU10/2011

Disclaimer: This information represents the current state of our knowledge and serves as a guide only to our products and their potential applications. Liability for specific properties or suitability for any concrete operational purpose may not be assumed from the information provided. Our information and data do not free the processor and user of his or her obligation to conduct their own trials and tests for specific applications. AF-Carbon®, AF-Color®, AF-Complex®, AF-Clean®, AF-Eco®, AF-CirColor®, AF-CirCarbon® and AF-CirComplex® are registered or applied trademarks of the Feddersen Group.



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