

Key Features

Dry Graphite powder is an odourless filler powder than can be used to add a natural looking grey/black colour to cast polymer products or as an additive to reduce friction in cast or laminated composites.

When mixed with casting and laminating resins, graphite powder also adds a smooth, hard wearing, low friction property to castings, components and laminates along with a degree of electrical conductivity and thermal conductivity.

	Test Method	Result
Carbon Content	Loss at red heat 900°C	Min. 90%
Ash Content	DIN 51903	Max. 10%
Particle Size	Laser Diffraction (Sympatec Helos)	Ca. 80% < 45µ
Specific Surface Area	Last Diffraction	Ca. 1330 cm ² /g
Bulk Weight	DIN EN ISO 60	390g/l
Tamped Weight	DIN EN ISO 60	580 g/l

Chemical Analysis

	Standard	Typical Value
Carbon	Loss at red heat 900°C	91.6%
Humidity	DIN 51904	0.23%
S	Infrared Detection	0.25%
Si	ICP	3.55%
Fe		0.85%
Ca		0.6%
Al		1.01%
Mg		0.16%

How to Use

It is recommended that the powder is mixed thoroughly with Part 'A' of polyurethane casting resins (like our Fast Cast) before adding part B. Never count the weight of the filler powder in the mix ratio.

This product is made up of particles that are incredibly small and will become airborne when the material is scooped, moved or mixed. Always wear protective gloves and a dust mask when handling this product in its raw state.

Disclaimer

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum. Our technical advice, whether verbal or in writing, is given in good faith but Easy Composites Ltd gives no warranty; express or implied, and all products are sold upon condition that purchasers will make their own tests to determine the quality and suitability of the product for their particular application and circumstances. Easy Composites Ltd shall be in no way responsible for the proper use and service of the product, nor for the safeguarding of personnel or property, all of which is the duty of the user. Any information or suggestions are without warranty of any kind and purchasers are solely responsible for any loss arising from the use of such information or suggestions. No information or suggestions given by us shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Before using any of our products, users should familiarise themselves with the relevant technical and safety datasheets provided by Easy Composites Ltd.

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