



Geoglitter[®]

POLYESTER GLITTER

**polyester glitter particles
for plastics**

Polyester glitter particles for plastics

Geoglit® SP Black and Geoglit® SP White are unique glitter particles specifically designed to create special effects in plastics. The range is available in 3 particle sizes: 200, 400 and 600 micron.

These particles are made out of single part coloured polyester film. The main advantage of this range is the stability in injection moulding. Traditional aluminium based glitter are sensitive to friction. Geoglit® SP glitter are not coated and therefore more stable during the moulding process.

Geoglit® SP White is the first white glitter particle for plastic applications available on the market. With this grade you can now create a dark masterbatch with white spots, an effect which cannot be achieved by any other glitter or special effect pigment.

Product benefits

- Not sensitive for friction
- In compliance with regulations for plastics; including food contact
- Geoglit® SP White provides a unique effect in dark masterbatches

Applications

We recommend to use this product line for the following application:



Masterbatch



The effect

The Geoglit SP products are based on special versions of PET film. Opposite to the standard Geoglit family, the Geoglit SP is internally coloured to form a homogeneous white or black film.



Through precision cutting of the film, the available different glitter sizes and visual effects are obtained. For the Geoglit SP White a rectangle, "fiber like" particle is available as well.

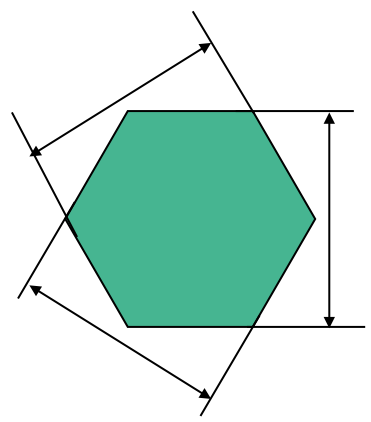


Art. nr.	Product name	Particle size	Effect
1423668	Geoglit SP Black 008 HEX x 001	200 micron	Black particles
1423670	Geoglit SP Black 015 HEX x 001	400 micron	Black particles
1423672	Geoglit SP Black 025 HEX x 001	600 micron	Black particles
1423652	Geoglit SP White 008 HEX x 001	200 micron	White particles
1423654	Geoglit SP White 015 HEX x 001	400 micron	White particles
1423656	Geoglit SP White 025 HEX x 001	600 micron	White particles
1423660	Geoglit SP White 1.5 x 0.2 mm x 001	1500 x 200 micron	White particles



Particle sizes available hexagonal

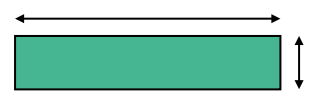
inch	micron
008	200
015	400
025	600



Hexagonal

Particle sizes available rectangular

inch	micron
002 x 004	50 x 100



Rectangular

* Particle sizes mentioned in the product names are indicative. More detailed information about exact particle sizes of glitter is available in the Product Properties & Declaration file.



General formulation do's and don'ts

Temperature resistance

Geoglit® SP glitter is heat resistant up to a maximum temperature of 220°C.

Solvent resistance

Due to the fact that Geoglit® SP glitter products are in general used for plastic applications the solvent resistance is tested by GEOTECH according test method GTM003.

When Geoglit® SP glitter is planned to be used solvent based formulations GEOTECH highly recommends to test the glitter in the formulation even the glitter is solvent resistant in water, acetone, ethyl acetate and ethanol.



Finished product	Level of use (recommendation)
Masterbatch	10 - 20 %



Formulation guideline | Plastic mould

Product: Plastic mould samples
 Code: GLP-201205
 Special effect pigment: Geoglit SP Black 008 HEX x 001 | Geoglit SP Black 015 HEX x 001 | Geoglit SP Black 025 HEX x 001

Product name	% WT.	Supplier
Plastic mould 1		
Geoglit SP Black 008 HEX x 001	1.00	Geotech International B.V.
Braskem C705-44NA HP (White PP)	98.00	Braskem Netherlands B.V.
Maxxam 25 T/30 WHITE 70 (MB White)	1.00	Avient Corporation
Plastic mould 2		
Geoglit SP Black 015 HEX x 001	1.00	Geotech International B.V.
Braskem C705-44NA HP (White PP)	98.00	Braskem Netherlands B.V.
Maxxam 25 T/30 WHITE 70 (MB White)	1.00	Avient Corporation
Plastic mould 3		
Geoglit SP Black 025 HEX x 001	1.00	Geotech International B.V.
Braskem C705-44NA HP (White PP)	98.00	Braskem Netherlands B.V.
Maxxam 25 T/30 WHITE 70 (MB White)	1.00	Avient Corporation

Procedure

These chips are manufactured by dry mixing of components using a BOY25E injection moulding machine. We recommend to incorporate our special effect pigments into a masterbatch for optimum results.

Samples of the moulds are available upon request.



Formulation guideline | Plastic mould

Product: Plastic mould samples
 Code: GLP-201202
 Special effect pigment: Geoglit SP White 008 HEX x 001 | Geoglit SP White 015 HEX x 001 | Geoglit SP White 025 HEX x 001

Product name	% WT.	Supplier
Plastic mould 1		
Geoglit SP White 008 HEX x 001	1.00	Geotech International B.V.
Braskem Inspire 382 (Clear PP)	98.00	Braskem Netherlands B.V.
Maxxam 10 T/20 H Black T 70 (MB Black)	1.00	Avient Corporation
Plastic mould 2		
Geoglit SP White 015 HEX x 001	1.00	Geotech International B.V.
Braskem Inspire 382 (Clear PP)	98.00	Braskem Netherlands B.V.
Maxxam 10 T/20 H Black T 70 (MB Black)	1.00	Avient Corporation
Plastic mould 3		
Geoglit SP White 025 HEX x 001	1.00	Geotech International B.V.
Braskem Inspire 382 (Clear PP)	98.00	Braskem Netherlands B.V.
Maxxam 10 T/20 H Black T 70 (MB Black)	1.00	Avient Corporation

Procedure

These chips are manufactured by dry mixing of components using a BOY25E injection moulding machine. We recommend to incorporate our special effect pigments into a masterbatch for optimum results.

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Available packaging

Geoglit® SP

Nett weight	Gross weight	Package size L x W x H
25 kg	27 kg	40 x 40 x 50 cm

Packed in a plastic bag in a cardboard box.

Shelf life

10 years original packaging stored in a closed box under dry conditions.

Samples

Approx. 50 grams samples are available free of charge.

Product data

Product data sheets and additional technical product information are available online. To get access please send an email to marketing@geotech.nl and ask for an account.



About us

Geotech International B.V., based in Haarlem, The Netherlands, is a dynamic company focusing on the development, production and distribution of special effect pigments. The owners family has a background in the industry with over 40 years of experience. Since 1999 the company is managed by the third generation.

GEOTECH's special effect pigments are being used globally in the cosmetics, plastics, coatings & paints, printing and arts & crafts industry.

Disclaimer

All information and samples provided by GEOTECH are given in good faith and without warranty. Our advice does not release you from the obligation to verify the information provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and therefore entirely your own responsibility.



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