

PRODUCT DATA SHEET



D-GF SPARKLE LINE (D-GF 230, D-GF240, D-GF241, DGF 242, D-GF 243)

Material description

High-performance soft cast vinyl film (80 micron/3.2mil) for effective indoor & long-term outdoor glass decoration applications

Adhesive

Permanent, modified and UV-stabilised acrylic based pressure-sensitive adhesive

Release liner

130gsm 1-side siliconised special kraft paper with excellent lay-flat and processing properties

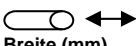



Application areas / Special features

High-grade hoarfrost effect glass decoration on (shop) windows, glass doors, reflecting surfaces/mirrors; films can be used to screen from view („blinds“); shops, supermarkets, restaurants, (coffee) bars, surgeries, hospitals, offices, exhibition booths and many more; excellent weather resistance and UV stability; reduced gloss level and roughly structured surface inhibit undesired reflections; excellent conformability; metallic flakes for special effects, depending on the incidence of light

Technical Data

| | |
|---|--|
| Thickness of face material* [DIN EN ISO 2286-3] | 0,080mm (80micron / 3.2mil) |
| Adhesive strength** [FINAT FTM1, after 24h] | ≥12N/25mm |
| Dimensional stability [DIN 30646 (168h/+80°C)] | adhered to glass, shrinkage max. 0.1mm |
| Tensile strength (DIN EN ISO 527) | along min. 9MPa / across min. 9MPa |
| Elongation at break (DIN EN ISO 527) | along min. 40% / across min. 40% |
| Service life (appropriate handling & processing)*** [DIN 53384] | 7 to 8 years |
| Shelf life**** | 2 years |
| Application temperature | min. +10°C |
| Flammability | adhered to steel/glass, self-extinguishing |
| Printability***** | UV, (eco-)solvent ink jet |
| CAD/CAM plotter application | excellent |

Available dimensions

| | | | |
|---|---|---|---|
|  |  |  |  |
| Breite (mm) | 10 m | 25 m | 50 m |
| core Ø i.d. 76 mm (3") | 1220 | • | • |

Solvent & chemical resistance values as well as transmission/absorption values are available on request!

Best possible adhesion results only on absolutely clean (grease- & dust-free), smooth, non porous flat surfaces. The application over curved substrates is not recommended. Reduced adhesive strength on non-polar materials, e.g. PE and PP. For large, continuous applications, we recommend to use rolls with identical batch numbers to avoid (colour) deviation caused by production.

* Average value

** Average value, adhered to stainless steel or glass

*** Vertical exposure of unprinted film under normal Central European conditions: Extreme climatic conditions, e.g. high humidity, high UV radiations, tropical and desert climate, above-average ecological damage as well as south facing exposure and applications in high altitude areas will reduce the durability of the film.

**** Best if stored standing upright in original packaging in a cool and dry place, at 15-20°C and 55-60% relative humidity;

***** Protect from direct UV sunlight, dust and other environmental influences!

Due to the vast number of commercially available print and ink systems, RIP software etc., we highly recommend to test our media for compatibility with your print system!

Supplementary certificates/data sheets available on request. All information given herein as well as all further product documentations are based on our current knowledge and experience and do not constitute an express warranty regarding our products. Due to the vast number of possible influences when processing our products, our knowledge and experience shall not release the user from doing his/her own checks and testing.

This product data sheet substitutes earlier versions. **EFFECTIVE AS OF: July 2011**

Paul Wolfgang Schmitz