

## Parabeam Industrie Paraglass 22 3D Glass Fabric

Category : Ceramic , Glass , Glass Fiber , Other Engineering Material , Composite Core Material , Composite Fibers

### Material Notes:

Parabeam® 3D Glass Fabric is a fabric woven out of a 100% E-glass yarn and consists of two decklayers bonded together by vertical piles in a sandwich structure. These piles are woven into the decklayers thus forming an integral sandwich structure. When the Parabeam® is impregnated with a thermoset resin, the fabric absorbs the resin and due to the capillary forces of the piles, the fabric rises to the preset height. In this one-step process a lightweight and strong sandwich laminate is formed that offers excellent mechanical properties.

Parabeam® can be used for many applications in the composite industry while offering multiple advantages against traditional sandwiches and solid laminates such as woods, foams, balsa, honeycombs and more. Information provided by the manufacturer, Parabeam Industrie, The Netherlands.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parabeam-Industrie-Paraglass-22-3D-Glass-Fabric.php](http://www.lookpolymers.com/polymer_Parabeam-Industrie-Paraglass-22-3D-Glass-Fabric.php)

| Mechanical Properties      | Metric          | English       | Comments           |
|----------------------------|-----------------|---------------|--------------------|
| Compressive Yield Strength | >= 0.300 MPa    | >= 43.5 psi   | ASTM C365          |
|                            | 0.400 MPa       | 58.0 psi      | Typical; ASTM C365 |
| Shear Modulus              | >= 0.000600 GPa | >= 0.0870 ksi | ASTM C273          |
|                            | 0.000800 GPa    | 0.116 ksi     | Typical; ASTM C273 |
| Shear Strength             | >= 0.100 MPa    | >= 14.5 psi   | ASTM C273          |
|                            | 0.100 MPa       | 14.5 psi      | Typical; ASTM C273 |

| Thermal Properties   | Metric       | English                             | Comments  |
|----------------------|--------------|-------------------------------------|-----------|
| Thermal Conductivity | 0.0800 W/m-K | 0.555 BTU-in/hr-ft <sup>2</sup> -°F | DIN 52616 |

## Contact Songhan Plastic Technology Co.,Ltd.

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