

GLASS FILAMENT FABRICS for PLASTICS REINFORCEMENT
PRODUCT SPECIFICATION

| | | | Specification |
|-------------------------|--------------|----------------------|-------------------|
| Style Number | 05507 | Old ITG desc. | 05507 MIL-Y-1140H |
| US Style | | | AMS / MIL-C-9084 |
| WLB No. | | | DIN 65066 |
| British Standard | | | BS 3396 |

| | |
|--------------------------|-------|
| Finish/Designatio | FK144 |
|--------------------------|-------|

| | Unit | Tolerance | | Specification |
|----------------------|--------------------|-------------|------|---------------|
| Weave pattern | | 2 x 2 twill | | DIN ISO 9354 |
| Area weight | g / m ² | 200,0 | ± 5% | DIN EN 12127 |
| Yarn | tex | | | DIN EN 12654 |
| warp yarn | | EC9-136 tex | | |
| weft yarn | | EC9-136 tex | | |
| Fibre count | 1 / cm | | | DIN EN 1049 |
| warp ends | | 8,0 | ± 5% | |
| weft picks | | 6,5 | ± 5% | |

| Temperature resistance 1) | | | | |
|----------------------------------|----|-----|--|--|
| Continuous load | °C | 260 | | |
| Short time resistance | °C | 600 | | |

| | | | | |
|-------------------------|---|-------------|--|--------------|
| Moisture content | % | < | | DIN EN 3616 |
| Finish content | % | 0,08 - 0,24 | | DIN ISO 1887 |
| | | | | DIN EN 60 |

| | | | | |
|--------------------------------|----|------|------|----------------|
| Thickness (approx. dry) | mm | 0,24 | ± 5% | DIN ISO 4603/E |
| in laminate | mm | | ± 5% | |

All statements herein are expressions of opinion which we believe to be accurate and reliable, but are presented without guarantee or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use in the infringement of any patent. No patent warranty of any kind, express or implied, is made or intended.
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| | Unit | Standard | P-D ITG | Tolerance | Specification |
|------------------------------------|------|--------------|---------|----------------|---------------|
| Style Number | | 05507 | | / FK144 | |
| Tensile Strength | | | | | ASTM D 4029 |
| warp | N/cm | 250 | | > | |
| weft | N/cm | 200 | | > | |
| Tensile strength | | | | | DIN EN 2747 |
| warp | MPa | | | > | |
| weft | MPa | | | > | |
| Young's-Modulus | | | | | |
| warp | GPa | | | > | |
| weft | GPa | | | > | |
| Compression strength | | | | | DIN 53454 |
| warp | MPa | | | > | DIN 65380 |
| weft | MPa | | | > | DIN prEN 2580 |
| Compression-Modulus | | | | | |
| warp | GPa | | | > | |
| weft | GPa | | | > | |
| Interlaminar shear strength | | | | | DIN EN 2377 |
| warp | MPa | | | > | |
| weft | MPa | | | > | |
| Flexural strength | | | | | DIN EN 2746 |
| warp | MPa | | | > | |
| weft | MPa | | | > | |
| Flexural-Modulus | | | | | |
| warp | GPa | | | > | |
| weft | GPa | | | > | |

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Remarks

- 1) Temperature resistance for dry fabrics