


 M-2602/102-01-GS
Polyfin DUO 3018 GS

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|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product | Synthetic roofing sheet with scrim-reinforced glass-fibre reinforcement, FPO, bitumen compatible FM Approved |
| Top side | white |
| Bottom side | black |
| Intended use | <ul style="list-style-type: none"> • Roof waterproofing sheet loose laid with ballast and below other utility layers • Exposed roof waterproofing sheet mechanically fastened |
| Standard | EN 13956, FM Global |
| Application | Hot air welding method |
| Packaging | 18 rolls of 20 m x 1.5m = 540 m ² per pallet |

| Characteristics | Testing method | Unit | Result |
|-------------------------------------------------|--------------------------------|-------------------|--------------------------|
| Visible defects | EN 1850-2 | - | keine |
| Length | EN 1848-2 | m | 20,0 |
| Width | EN 1848-2 | m | 1,5 |
| Straightness | EN 1848-2 | mm | ≤ 30 |
| Flatness | EN 1848-2 | mm | ≤ 10 |
| Thickness | EN 1849-2 | mm | 1,8 |
| Mass per unit area | EN 1849-2 | kg/m ² | 2,0 |
| Watertightness (Verf. B) | EN 1928 | kPa | ≥ 500 |
| External fire exposure | EN 13501-5 | | Broof(t1) ^[1] |
| Reaction to fire test | EN 13501-1 | Klasse | E |
| Hail resistance (rigid substrate) | EN 13583 | m/s | ≥ 23 |
| Hail resistance (flexible substrate) | EN 13583 | m/s | ≥ 30 |
| Peel resistance of joints | EN 12316-2 | N/50 mm | ≥ 250 |
| Shear resistance of joints long./trans. | EN 12317-2 | N/50 mm | ≥ 650 |
| Water vapour transmission | EN 1931 | μ | 120.000 |
| Tensile force long./trans. | EN 12311-2 | N/50 mm | ≥ 1000 |
| Elongation at single-end breaking force | EN 12311-2 | % | ≥ 20 |
| Resistance to impact (rigid substrate) | EN 12691 | mm | ≥ 600 |
| Resistance to impact (flexible substrate) | EN 12691 | mm | ≥ 1500 |
| Resistance to static loading | EN 12730 | kg | ≥ 20 |
| Resistance to tearing (nail shank) long./trans. | EN 12310-2 | N | ≥ 350 |
| Dimensional stability | EN 1107-2 | % | ≤ 0,3 |
| Foldability | EN 495-5 | °C | ≤ -40 |
| Root resistance | EN 13948/FLL- Prüfverfahren | | bestanden |
| UV-exposure | EN 1297 | > 5000 h | bestanden (Klasse 0) |
| SRI (Solar Reflectance Index) | ASTM E 1980 | SRI | > 90 |

[1] according to certified system

The declared data are indices based on the statistical quality control and refer to the date of production. Consider state of the art, standards, legal provisions and guidelines for the suitability of the mentioned field of application and application method. All specifications are without obligation. The user must assess the suitability of the product for the particular purpose and ensure the user's access to the current version of the product data sheet.

Subject to alteration without notice.

Storage conditions: The products have to be stored in original packaging, being protected from direct sun light, UV-beams and extreme conditions like heat, frost, moisture, etc. During cold season store the products in a frost-free area (+5°C) for 12 hours before application.

Development, Production and Sales of our products according to ISO 9001.