

Ficha técnica Nº RC.ISO.41.M3838 • © Fiber Profil S. L. • 17/05/2024

Ref. RC.ISO.41.M3838

Covered molded grating, RC ISO41M3838

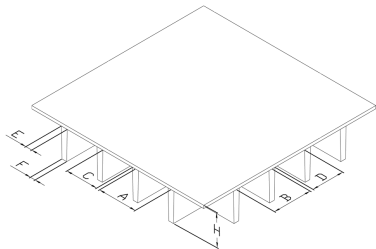
Gratings produced in compliance with standards ASTM D2583-07; ASTM D790-07e1; ASTM D638-08; ASTM G154-06; ISO 4589-2.

The quantity of fiber glass reinforcement is of 30% to 35% (by total weight).

Standard resin is isophthalic polyester with flame spread retardant → Rein IFR 25.

Flame spread rating  $\leq 25$  in compliance with standard ASTM E-84

All products have UV inhibitors and antioxidants.

| PROPERTY             | VALUE                   |  |
|----------------------|-------------------------|--------------------------------------------------------------------------------------|
| H                    | 41,00 mm                |                                                                                      |
| A                    | 38,00 mm                |                                                                                      |
| B                    | 38,00 mm                |                                                                                      |
| C                    | 30,00 mm                |                                                                                      |
| D                    | 30,00 mm                |                                                                                      |
| E                    | 7,00 mm                 |                                                                                      |
| F                    | 5,00 mm                 |                                                                                      |
| Weight (theoretical) | 25,00 Kg/m <sup>2</sup> |                                                                                      |
| Open surface         | 0,00 %                  |                                                                                      |

| KIND OF SURFACE   | STATUS          |
|-------------------|-----------------|
| G - Grit (silica) | Usually stocked |
| L - Checkered     | On demand       |
| S - Smooth        | On demand       |

| STANDARD COLORS | STATUS          |
|-----------------|-----------------|
| RAL 7035        | Usually stocked |
| RAL 6001        | On demand       |
| RAL 1003        | On demand       |

| DIMENSIONS        | STATUS          |
|-------------------|-----------------|
| 1000 mm × 2000 mm | Usually stocked |
| 1000 mm × 3000 mm | On demand       |
| 1000 mm × 4000 mm | Usually stocked |
| 1220 mm × 2440 mm | On demand       |
| 1220 mm × 3660 mm | Usually stocked |
| 1220 mm × 4000 mm | On demand       |
| 996 mm × 1985 mm  | On demand       |
| 996 mm × 3012 mm  | On demand       |
| 915 mm × 3050 mm  | On demand       |
| 1524 mm × 4000 mm | On demand       |

| PROPERTY                              | VALUE                    | TEST METHOD  |
|---------------------------------------|--------------------------|--------------|
| Hardness                              | 50,00 Bracol             | ASTM 2583-07 |
| Flexural strength                     | 359,00 N/mm <sup>2</sup> | ASTM 2583-07 |
| E - Modulus of Elasticity (1% Secant) | 10,50 N/mm <sup>2</sup>  | ASTM 2583-07 |
| Tensile strength                      | 208,00 N/mm <sup>2</sup> | ASTM 2583-07 |

|                 |                         |              |
|-----------------|-------------------------|--------------|
| Tensile Modulus | 31,90 N/mm <sup>2</sup> | ASTM 2583-07 |
| UV Resistance   | 4,00                    | ASTM 2583-07 |
| Oxygen index    | 32,60 %                 | ASTM 2583-07 |

| L(MM) | FLEXION | CONCENTRATED LOAD |
|-------|---------|-------------------|
| 300   | 2.4     | 1.664,00          |
| 450   | 3.6     | 1.170,00          |
| 600   | 4.8     | 833,00            |
| 750   | 6       | 601,00            |
| 900   | 7.2     | 495,00            |
| 1000  | 8       | 364,00            |
| 1200  | 9.6     | 317,00            |

| L(MM) | FLEXION | DISTRUBUTED LOAD |
|-------|---------|------------------|
| 300   | 2.4     | 25.863,00        |
| 450   | 3.6     | 7.808,00         |
| 600   | 4.8     | 3.248,00         |
| 750   | 6       | 1.615,00         |
| 900   | 7.2     | 987,00           |
| 1000  | 8       | 695,00           |
| 1200  | 9.6     | 448,00           |