

Ficha técnica Nº RA.ISO.50.M5050 • © Fiber Profil S. L. • 17/05/2024

Ref. RA.ISO.50.M5050	Open mesh molded grating, RA ISO50M5050
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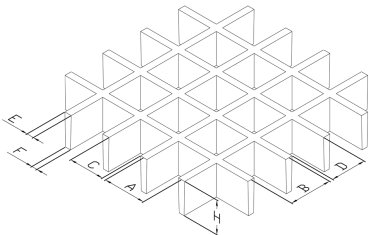
Gratings produced in compliance with standards ASTM D2583-07; ASTM D790-07e1; ASTM D638-08; ASTM G154-06; ISO 4589-2.

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 ≤ 25 in compliance with standard ASTM E-84

All products have UV inhibitors and antioxidants.

PROPERTY	VALUE	
H	50,00 mm	
A	50,00 mm	
B	50,00 mm	
C	40,00 mm	
D	40,00 mm	
E	8,00 mm	
F	6,00 mm	
Weight (theoretical)	23,50 Kg/m ²	
Open surface	78,00 %	

KIND OF SURFACE	STATUS
G - Grit (silica)	Usually stocked
C - Concave	Usually stocked
S - Smooth	On demand

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

DIMENSIONS	STATUS
1225 mm × 3665 mm	On demand
1530 mm × 4123 mm	On demand

PROPERTY	VALUE	TEST METHOD
Hardness	50,00 Bracol	ASTM 2583-07
Flexural strength	359,00 N/mm ²	ASTM D790-07e1
E - Modulus of Elasticity (1% Secant)	10.469,00 N/mm ²	ASTM D790-07e1
Tensile strength	208,00 N/mm ²	ASTM D638-08
Tensile Modulus	31.898,00 N/mm ²	ASTM D638-08
UV Resistance	4,00	ASTM G 154-6
Oxygen index	32,60 %	ISO 4589-2

L(MM)	FLEXION	CONCENTRATED LOAD
300	2.4	3.400,00
450	3.6	1.862,00

600	4.8	1.180,00
750	6	803,00
900	7.2	568,00
1000	8	460,00
1200	9.6	324,00

L(MM)	FLEXION	DISTRUBUTED LOAD
300	2.4	48.800,00
450	3.6	15.485,00
600	4.8	6.800,00
750	6	3.425,00
900	7.2	2.100,00
1000	8	1.510,00
1200	9.6	850,00