

## Data sheet GRP – Grating Type HKP 50.50 I-Za-Sw2

Matrix	orthophtalic, isophtalic or vinylester (several colours)
Reinforcement	E-Glass
Color	grey, near RAL 7035 (other colours on demand possible)
Height	50 mm (=3+44+3)
Surface	closed on both sides, gritted
Width of bars	5,00 – 7, 50 mm
Pitch	50,80 x 50,80 mm
Mesh width	43,30 x 43,30 mm

Standard panel sizes:	1227 x 3665 mm
	1531 x 4071 mm

Tolerances:	
Lenght / width	+ 0 / - 4 mm
Height	+ 1 / - 1 mm

Fixing possibilities:	
Direct fixing	B650TR



We supply all fixing for GRP gratings in galvanized steel, stainless steel V2A and stainless steel V4A.

<u>Mechanical properties</u>	<u>value</u>	<u>unit</u>	<u>norm</u>
Weight	30	kg/m <sup>2</sup>	
Matrix content	ca. 68	%	
Glassfiber content	ca. 32	%	DIN 1172
Density	1,8	kg/dm <sup>3</sup>	
Serration class ASR A1 1.5/1,2	R13 V10		DIN51130 and
E-modulus	14.500	MPa	DIN EN ISO 178
Max. Bending stress	216	MPa	
Area moment of inertia / 1 bar	271520,08	mm <sup>4</sup>	
Section modulus / 1 bar	10611,40	mm <sup>3</sup>	
<u>Thermal properties</u>	<u>value</u>	<u>unit</u>	<u>norm</u>
Max. Application temperature	-30 / + 70	°C	
Flammability	Bfl-s1		DIN EN 13501-1
Flammability regarding UL94 60695	V-0		DIN IEC EN
<u>Electric properties</u>	<u>value</u>	<u>unit</u>	<u>norm</u>
Leak resistor	electrically non-conducting		

The above-mentioned details refer to our current state of knowledge and shall inform on our products. The values and information listed are no minimum or maximum values, but guideline values which can be used for material selection. These values are within the normal tolerance range, however, they do not represent warranted property values and therefore should not be used for specification purpose. Reserve the right for technical changes.