

**Product Information**

**Product:** EPS-Model-Foam VFG 18

**Product Description:**

VFG 18 - Model Foam has been specifically developed for the fabrication of Lost-wax casting and full-mold casting of parts.

VFG 18 - Model Foam is a finely granulated carefully welded Polystyrene hard foam with high indentation hardness and excellent machining properties. The even granulation eliminates the need for additional treatment after milling which reduces costs while resulting in a pleasing surface grain of the cast parts. The excellent Edge stability is also an additional advantage.

VFG 18 – Model Foam has a very low solid fraction of just 1.8-2% resulting in almost residue-free gasification in casting processes.

VFG 18 – Model Foam has been in service in high volume for many years by many well known fabricators in the Steel, Iron, Aluminium- and Zamak Casting industries, without complaints.

**Technical Data:**

**Size:**

In Stock:  
 Sheet Length: 2000 or 4000 mm  
 Sheet Width: 1000 or 1250 mm  
 Sheet Thickness: 10 – 500 mm

Other Sizes are available upon request

**Tolerances:**

Sheet length and width: -0/+20 mm  
 Sheet thickness: optionally 1 or 2 % Shrinkage allowance

**Gross Density:**

19 kg +/- 1 kg (DIN 53420)

**Parallelism Deviation:**

max. 1 mm (!! ) (Company Standard)

**Planar Tolerance:**

max. 0,1 % (at 2 m-Lengths)  
 max. 0,2 % (at 4 m-Lengths) (Company Standard)

	<b>Standard</b>	<b>Unit</b>	<b>Value</b>
<b>Compression Stress at 10 % Compression:</b>	EN 826	kPa	100
<b>Shear Strength:</b>	EN 12090	kPa	75 – 135
<b>Tensile Strength:</b>	EN 1607	kPa	185 – 280
<b>Bending Strength</b>	ISO 1209	kPa	150 – 270
<b>Heat Distortion Temperature:</b>	DIN 18164	°C	80 – 85

This product information should and can only advise without obligation. A liability can not be derived from this information. Please perform testing of the product to ensure suitability to your case. For guidance please contact us. We are happy to be of assistance. 10/2015

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