

## Technical specification

### Sensaten R30FR

**Description** Low density. Cross-linked polyethylene foam with closed cells. Specially designed for automotive purpose. Suitable for small products.

Properties	Unit	Value	Test method
Density	kg/m <sup>3</sup>	30 +/- 3	
Cell Size	mm	-	
<b>Tensile Strength</b>			
Lengthwise	MPa	>0.2	DIN 53430
Crosswise	MPa	>0.2	DIN 53430
<b>Elongation at break</b>			
Lengthwise	MPa	>70	DIN 53430
Crosswise	MPa	>80	DIN 53430
Tear strength	N/m		
<b>Compressive strength</b>			
10% Compression	kPa	-	
25% compression	kPa	-	
40% compression	kPa	-	
50% compression	kPa	-	
Thermal Conductivity (mean temp 10 °C)	W/m.k	0.039	DIN 52612
Thermal conductivity (mean temp 60 °C)	W/m.k	0.052	DIN 52612
Recommended working temperature	°C	-60/+90	
<b>Compression Set, 25% 22h 23 °C, 25 mm cell-cell</b>			
0.5 h recovery	%	-	
25h recovery	%	-	
<b>Compression set, 50% 22h 23 °C</b>			
0.5h recovery	%	-	
24h recovery	%	-	
Flammability	<100mm/min	-	
Linear size deformation, 6h, transversal, +70 °C	%	max - 2.0	
Linear size deformation, 6h, longitudinal, +70 °C	%	max + 1-0	
Soaking Water Absorption, 28 days	vol %	< 5.0	Inner method
Vapour diffusion resistance	-	> 1300	DIN 52615
Water absorption, 28 days	vol %	<0.3	Inner method

This specification is given by our best knowledge and might be submitted to changes.