

## Technical specification

### PT 50N

**Description** Low density, cross-linked polyethylene foam with closed cells.

Properties	Unit	Value	Test method
Density	kg/m <sup>3</sup>	50	DIN 53420
Cell Size	mm		
Tensile Strength	n/cm <sup>2</sup>	47	DIN 53571
Elongation	%	188	DIN 53571
Tear strength	N/mm	2.38	DIN 53575
<b>Compressive strength</b>			
10% Compression	kPa		
25% compression	kPa		
40% compression	kPa		
50% compression	kPa	93	DIN 53577
Thermal Conductivity (mean temp 10 °C)	W/m.k	0.0414	DIN 53428
Recommended working temperature	°C	-50/+95	
<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		Pass at 3mm and above	FMVSS302
<b>Horizontal Burn</b>			
5mm thick	mm/sec		
13mm thick	mm/sec		
Water absorption 24 d	Vol %	<1.1	DIN 53428
Water vapour transmission	g/m <sup>2</sup> d	1.2	DIN 53459

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