



SUNFLEX - CROSS-LINKED POLYETHYLENE (PE) FOAM TECHNICAL DATA SHEET

Properties	Method	Unit	Typical Values 25N
Density	ISO 845	Kg/m ³	25
Tensile Strength	ISO 1798		
Longitudinal		Mpa	0.21
Transversal		Mpa	0.16
Elongation At Break	ISO 1798		
Longitudinal		%	90
Transversal		%	105
Compression Stress Strain At Deflection	ISO 3386		
25%		KPa	26
50%		KPa	69
Tear Strength	DIN 53507		
Longitudinal		N/mm	0.6
Transversal		N/mm	0.6
Operating Temperature Range	-	°C	-40 to 95
Dimensional Stability	DIN 53431	°C	95
Compression Set (22h,25%,230c) After Compression Release	ISO1856		
0.5h		%	< 19
24h		%	< 10
Below for 2510N 955			
Thermal Conductivity At	JIS A1412-2		
0 deg.C		W/mK	app. 0.035
23 deg.C		W/mK	app. 0.039
40 deg.C		W/mK	app. 0.041

The above figures are typical values only
*Depend on thickness