

## Technical specification

### Low Density Polyethylene Foam LD29

**Description**                      Excellent shock absorbing interior materials for example bags. Soft rubber-like feel with a stylish black finish. Easy to shape cut with sharp knife, utility knife electricity etc.

Properties	Unit	Value	Test method
Density	kg/m <sup>3</sup>	29	
Cell Size	mm	0.4	
Tensile Strength	Kpa	400	
Elongation at break	%	125	
Tear strength	N/m	650	
<b>Compressive strength</b>			
25% Compression	kPa	38	DIN 53572 1986
40% compression	kPa	72	DIN 53572 1986
50% compression	kPa	110	DIN 53572 1986
60% compression	kPa	165	DIN 53572 1986
Thermal Conductivity (mean temp 10 °C)	W/m.k	0.039	
Recommended working temperature	°C	-70/+105	Internal
<b>Compression Set, 50% 72h 23 °C</b>			
0.5 h recovery	%	29	
24 h recovery	%	-	
<b>Compression set, 50% 22h 23 °C</b>			
0.5h recovery	%	18.5	
24h recovery	%	10	
Flammability	<100mm/min	5mm and above	FMVSS302
<b>Horizontal Burn</b>			
5mm thick	mm/sec	1.7	
13mm thick	mm/sec	1.2	
Water vapour transmission, temp 38°C. Relative humidity gradient.	µg/m <sup>2</sup> /sec	45	
<b>Water absorption</b>			
1 day	Vol %	<0.1	
7 days	Vol %	<0.3	
14 days	Vol %	<0.4	
28 days	Vol %	<0.5	

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