SHEICO Group

Physical report

	Y Foam	I Foam	Yulex foam	S Foam	L Foam	K Foam	D Foam	F Foam fire retardant	J Foam	C Foam	B Foam
Elongation (%)	500 ↑	↑	400 ↑	480 ↑	400↑	350↑	n ↑	350↑	350 ↑	260 ↑	300 ↑
Hardness(skin) Shore 000				66 ~ 68	69 ~ 72	74 ~ 77	70 ~ 73	74 ~ 77	78 ~ 81	82 ~ 85	74 ~ 78
Tear stegnth kg/cm (skin)	2,0 ↑	2,0 ↑		2,0 ↑	2,3↑	2,6↑	2,6↑	2,6↑	3,0 ↑	3,0 ↑	----
Tensile stegnth (skin) kg/cm^2	5,0 ↑	5,0 ↑		5,5 ↑	6,5↑	7,5↑	6,5↑	7,0↑	8,5↑	9,5↑	4,5↑
(cell)	↑	↑	4.0 ↑	4,0 ↑	5,0↑	6,0↑	5,0↑	5,5↑	7,0↑	8,0↑	3,0↑
Density (skin) g/cm^3 (cell)	0.19~0.22	0.19~0.2	0.15~0.19	0.19~0.215	0.22~0.28	0.24~0.3	0.22~0.28	0.22~0.28	0.25~0.31	0.3~0.36	----
				0.15~0.175	0.17~0.21	0.19~0.23	0.17~0.21	0.17~0.21	0.2~0.24	0.25~0.29	0.13~0.18
Modulus 60% (skin) kg/cm^2	0.5~0.63	0.5~0.63	0.6~0.75	0.65~0.8	0.8~0.95	1.15~1.35	1.05~1.25	1.25~1.45	1.3~1.5	----	----
(cell)				0.45~0.6	0.6~0.75	0.8~1.05	1.05~1.25	1.0~1.3	1.0~1.3	1.9~2.3	0.8~1.1
Compression set (%) 24 hrs			30		25%	20%	18%		15%	10%	
Ozone test (%) 50pphm 72 hrs	72hrs Pass	72hrs Pass	72hrs Pass	72hrs Pass	72hrs Pass	72hrs Pass	72hrs Pass	72hrs Pass	72hrs Pass	72hrs Pass	8hrs cracking