

Specification Packux®

Foam type Polyethylene crosslinked foams Specification	Method	Unit	PEC-3402*	PEC-3409.W	PEC-3414	PEC-3416.F5	PEC-5002**	PEC-5008.W	PEC-5011.W	PEC-3005.F4	PEC-3306.W4	PEC-6002
Density	ISO 845	kg/m3	33 ± 5	33 ± 5	33 ± 5	33 ± 8	45 ± 6	45 ± 6	45 ± 6	29-30	29-33	60 ± 8
Tensile Strength	ISO 1798	kPa	> 176	> 190	> 151	> 176	> 240	> 235	> 215	MD > 297 TD > 209	MD > 167 TD > 147	> 350
Elongation at break	ISO 1798	%	> 120	> 230	> 85	> 120	> 120	> 230	> 210	MD > 89 TD > 111	MD > 59 TD > 80	> 170
Compression Resistance	ISO 3386/1	kPa										
Deflection 10%			> 32	> 12	> 29	> 32	> 60	> 17	> 17	> 20		> 110
Deflection 25%			> 48	> 28	> 45	> 48	> 76	> 35	> 35	> 39		> 120
Deflection 50%			> 98	> 70	> 88	> 98	> 142	> 80	> 80	> 96		> 190
Deflection 70%												
Compression Set 22h, 25%, 23C 0,5 h ad. 24,0 h ad	ISO 1856	%	≤ 15 ≤ 7	≤ 20 ≤ 8	≤ 17 ≤ 8	≤ 15 ≤ 7	≤ 12 ≤ 5	≤ 15 ≤ 5	≤ 17 ≤ 6		≤ 17 ≤ 8	≤ 12 ≤ 5
Thermal Conductivity 10° C 40° C	DIN 25612	W/mK	0,036 0,039	0,035 0,039	0,036 0,039	0,036 0,039	0,038 0,041	0,039 0,041	0,039 0,041	0,0387 0,0432	0,037 0,042	0,042 0,044
Working temperature range	ISO 2796	°C	-80/+90	-40/+55	-40/+90	-40/+90	-80/+90	-40/+60	-40/+60	-60/+90	-60/+90	-40/+90
Water absorption after 7 days after 28 days	DIN 53428	Vol. %	≤ 1	≤ 3	≤ 1	≤ 1	≤ 1	≤ 2,6	≤ 2,6	< 1	< 1	≤ 1
Shore hardness 00	internal		> 38	> 23	> 38	> 58	> 46	> 30	> 80	> 47		> 58
Flammability Horizontal burning rate	FMVSS-302	mm/min	20-60 mm EN- 13501 - E	< 100	< 100	FMVSS-302 – SE DIN 4102 – B2 (20-60 mm) UL94 HBF – HF2 (6-13 mm)	< 100	< 100	< 100	5-50 mm UL94 – HF1 EN 13501 - E	UL94 – HBF EN 13501 - E	< 100
Surface resistivity		Ω										

V.2501

* PEC 3401, PEC-3403, PEC-3404, PEC-3405 and PEC-3406, the same as PEC-3402. ** PEC-5001 is the same as PEC-5002