


PHYSICAL AND MECHANICAL REQUIREMENTS FOR FLEXIBLE POLYURETHANE SLABSTOCK FOAMS

According to ZN-CIECH PIANKI Sp. z o.o.-1999:2011

	LIGHT FOAM						
	T-1418	T-1619	T-1818	T-1830	T-2015	T-2121	T-2130
Requirements							
Apparent density [kg/m ³]	12,5 - 14,8	13,5 - 15,5	16,0 - 17,7	15,7 - 17,4	17,0 - 18,8	17,5 - 19,5	17,5 - 19,5
Maksimum gross density of the block (to account from dimensions of the block) [kg/m ³]	15,8	16,5	18,8	18,8	20,3	21	21
Average hardness, CLD [kPa]	1,5-2,4	1,6-2,5	1,7-2,6	2,5-3,7	1,3-2,3	1,9-3,1	2,7-3,7
Average hardness, ILD [N]	58-94	65 - 101	71-108	99-146	51-90	78-127	111-152
Resilience (rebound elasticity) not less than [%]	40	42	43	40	43	43	40
Compression set, not more than [%]	8	8	8	10	7	7	10
Tensile strength, not less than [kPa]	80	90	95	80	90	100	90
Elongation at break, not less less than [%]	100	120	150	80	150	150	100
Fatigue test:thickness loss, not more than [%]	10	10	10	10	7	10	10
Fatigue test: hardness loss, not more than [%]	45	45	45	50	40	45	50