

PHYSICAL AND MECHANICAL REQUIREMENTS FOR FLEXIBLE POLYURETHANE SLABSTOCK FOAMS

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

Requirements	Standard non-flammable foam			
	CM-2740	CM-3030	CM-3040	CM-3540
Apparent density [kg/m ³]	24,4-26,8	27,2-29,6	27,7-30,0	32,0-34,5
Maksimum gross density of the block (to account from dimensions of the block) [kg/m ³]	29,8	31,7	32,7	36,9
Average hardness, CLD [kPa]	3,5-4,9	2,5-3,8	3,6-4,9	3,6-4,9
Average hardness, ILD [N]	136-191	103-156	153-208	153-208
Resilience (rebound elasticity) not less than [%]	40	40	40	40
Compression set, not more than [%]	7	7	7	7
Tensile strength, not less than [kPa]	90	90	90	90
Elongation at break, not less less than [%]	90	90	90	90
Fatigue test: thickness loss, not more than [%]	7	7	7	7
Fatigue test: hardness loss, not more than [%]	45	45	45	45
Flammability according to BS 5852 Part 2:1982	Fulfil	Fulfil	Fulfil	Fulfil