

PHYSICAL AND MECHANICAL REQUIREMENTS FOR FLEXIBLE POLYURETHANE SLABSTOCK FOAMS

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

| Requirements | High resilience, non-flammable foam | | | |
|---|-------------------------------------|-----------|-----------|-----------|
| | R-2720 | R-3025 | R-3030 | R-3535 |
| Apparent density [kg/m ³] | 24,0-26,5 | 30,0-31,5 | 29,5-31,5 | 32,0-34,6 |
| Maksimum gross density of the block (to account from dimensions of the block) [kg/m ³] | 28,4 | 34,5 | 34,5 | 37 |
| Average hardness, CLD [kPa] | 1,6-2,6 | 2,0-3,2 | 2,4-3,6 | 3,0-4,1 |
| Average hardness, ILD [N] | 63-103 | 80-126 | 96-144 | 125-170 |
| Resilience (rebound elasticity) not less than [%] | 50 | 50 | 50 | 50 |
| Compression set, not more than [%] | 10 | 7 | 7 | 7 |
| Tensile strength, not less than [kPa] | 100 | 100 | 100 | 100 |
| Elongation at break, not less less than [%] | 100 | 100 | 100 | 100 |
| Fatigue test: thickness loss, not more than [%] | 7 | 7 | 7 | 7 |
| Fatigue test: hardness loss, not more than [%] | 50 | 50 | 50 | 50 |
| Flammability according to BS 5852 Part 2:1982 | Fulfil | Fulfil | Fulfil | Fulfil |

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