

## Technical Data Sheet

**Material:** Polymax CIRCA Premium Rubber Flooring Tiles

|   | Test Method                                       | Requirements   | Average test results from running production                       |
|---|---|--|--|
| <b>Thickness</b>                                | EN 428  | Mean value of the nominal value $\pm 0.20$ mm EN 12 199  | 2.7mm  |
| <b>Hardness</b>                                 | ISO 7619  | $\geq 75$ Shore A  | $88 \pm 5$   |
| <b>Abrasion resistance at 5N Load</b>           | ISO 4649, procedure A                             | $\leq 250$ mm <sup>3</sup>   | 140mm  |
| <b>Residual indentation</b>                     | EN 433  | Mean value $\leq 20$ N/mm at thickness $\geq 3$ mm   | 0.15mm   |
| <b>Dimensional stability</b>                    | EN 434  | $\pm 0.4\%$  | $\pm 0.3\%$  |
| <b>Flexibility</b>                              | EN 435, procedure A                               | Mandrel diameter 20 mm, no fissuring   | Fulfilled  |
| <b>Tear strength</b>                            | ISO 34-1, method B, procedure A                   | Mean value $\geq 20$ N/mm  | 40 N/mm  |
| <b>Colour fastness to artificial light</b>      | EN 20 105-B02, procedure 3, test conditions 6.1 a | At least level 6 on the blue scale level $\geq 3$ on the grey scale (= 300 MJ/m <sup>2</sup> ) | Grey scale $\geq$ level 3 acc. To EN 20 105-A02                    |
| <b>Toxicity of the gases</b>                    | DIN 53 436  | -  | Non Toxic  |
| <b>Cigarette-burn resistance</b>                | EN 1399   | Procedure A (Stubbed Out) level $\geq 4$<br>Procedure B (Burning) level $\geq 3$               | Fulfilled  |
| <b>Thermal conductivity</b>                     | DIN 52 612  | -  | 0.43 W/mK - Suitable for underfloor heating system                 |
| <b>Anti-slip properties</b>                     | DIN 51 130  | According BGR 181  | R9   |
| <b>Effect of chemicals</b>                      | EN 423  | -  | Resistant depending on concentration and time of exposure          |
| <b>Improvement in footfall sound absorption</b> | ISO 140-8   | -  | 6 dB   |
| <b>Electrical insulation properties</b>         | IEC 60093, VDE 0303 T.30                          | -  | $> 10^{10}$ Ohm  |
| <b>Electrical propensity when walked on</b>     | EN 1815   | -  | Antistatic, charging in case of rubber soles $< 2$ kV              |
| <b>Effect of a castor chair</b>                 | EN 425  | -  | Suitable if caster wheels, type W, according to EN 12 529 are used |
| <b>Classification</b>                           | EN 685  | Residential/Commercial/Industrial  | 23 / 32 / 41   |
| <b>CE Conformity</b>                            | EN 14 041   | -  | Manufactured in Europe   |
| <b>Dynamic coefficient of friction</b>          | EN 13 893   | -  | DS   |
| <b>Reaction to fire</b>                         | EN 13 501-1                                       | -  | Bfl-s1   |

Although the technical details and recommendations made correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intend to use Polymax products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.