

## POLYLAM® TECHNICAL DATA SHEET

### TECHNICAL CHARACTERISTICS

| Technical characteristics    | Standard and details of test method | Unit                         | Performance |       |
|------------------------------|-------------------------------------|------------------------------|-------------|-------|
|                              |                                     |                              | HDS+        |       |
| Density                      | EN ISO 845<br>ASTM D3575 W          | nominal<br>kg/m <sup>3</sup> | 140         |       |
| Length - standard            | EN ISO 1923                         | nominal<br>mm                | 2000        |       |
| Width - standard             | EN ISO 1923                         | nominal<br>mm                | 1200        |       |
| Compression stress           | EN ISO 3386-1<br>ASTM D-3575 D      | 1 impression 25%             | >           | 200   |
|                              |                                     | 1 impression 70%             | >           | 900   |
|                              |                                     | 4 impression 70%             | >           | 880   |
| Dimensional stability        | ISO 2796<br>ASTM D3575 S            | 24h; 70°C                    | <           | 4,5   |
|                              |                                     | 48h; 23°C                    | <           | 0,5   |
| Thermal conductivity         | ISO 8302<br>eq. ASTM D3575 V        | 10°C<br>W/mK                 | <           | 0,049 |
| Water absorption             | ISO 2896<br>ASTM D2842              | 24h; 23°C                    | <           | 0,8   |
|                              |                                     | 168h; 23°C                   | Vol. % <    | 1,3   |
|                              |                                     | 672h; 23°C                   | <           | 2,0   |
| Atmospheres for conditioning | EN ISO 291<br>ASTM D3575            | min.24h; ±2°C                | °C          | 23    |
|                              |                                     | min. 24h; ±10%               | %           | 50    |
| Validity of properties*      | months after production             | mth                          | 6           |       |
| Colour                       |                                     |                              | white       |       |

\* Only for proper storage and processing.

*The product can be 100% recycled.*



**We are certified according to ISO 9001 / ISO 14001 / ISO 45001**