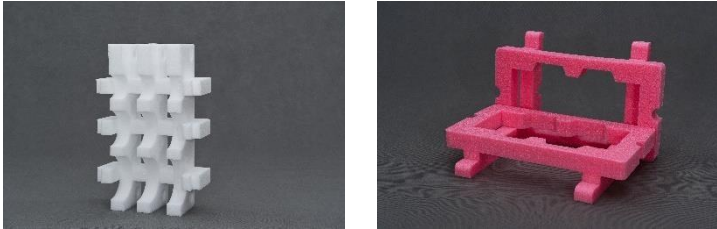


Polylam

Non-cross-linked polyethylene foam laminated planks

Closed cell, non-cross-linked laminated polyethylene foam, ideal for packaging applications requiring cushioning protection.  
Polylam plank is CFC and HCFC free. It is also 100% recyclable.



| Properties               | Test method                                       | Unit              | Tolerance    |     | HRC 24                                                         | Polylam 24                                                     | Polylam 30                                                     |                                                                |                                                                |                   |
|--------------------------|---------------------------------------------------|-------------------|--------------|-----|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|-------------------|
|                          |                                                   |                   |              |     | HRC 24                                                         | Polylam 24MDL <sup>(1)</sup>                                   | Polylam 30MDL <sup>(1)</sup>                                   | Polylam 35                                                     | HRC 30                                                         | Polylam AS        |
|                          |                                                   |                   |              |     | PolylamRC65<br>24 kg/m <sup>3</sup><br>(>65% Recycled Content) | PolylamRC30<br>24 kg/m <sup>3</sup><br>(>30% Recycled Content) | PolylamRC30<br>30 kg/m <sup>3</sup><br>(>30% Recycled Content) | PolylamRC30<br>35 kg/m <sup>3</sup><br>(>30% Recycled Content) | PolylamRC65<br>30 kg/m <sup>3</sup><br>(>65% Recycled Content) |                   |
| Density                  | DIN 53420                                         | kg/m <sup>3</sup> | ± 10%        |     | 24                                                             | 24                                                             | 30                                                             | 35                                                             | 30                                                             | 30                |
| Plank thickness          | ISO 1923                                          | mm                | - 0% / + 10% |     | 10 to 43mm (Except MDL)                                        |                                                                |                                                                |                                                                |                                                                | 13 to 50mm        |
| Plank thickness          | ISO 1923                                          | mm                | - 0% / + 10% |     | 50 to 100mm (Except MDL)                                       |                                                                |                                                                |                                                                |                                                                | N/A               |
| Plank width              | ISO 1923                                          | mm                | - 0% / + 3%  |     | 1200                                                           |                                                                |                                                                |                                                                |                                                                |                   |
| Plank length             | ISO 1923                                          | mm                | - 0% / + 3%  |     | 2000 - 2500                                                    |                                                                |                                                                |                                                                |                                                                |                   |
| Compression strengths    | DIN EN ISO 3386-1<br>(4 <sup>th</sup> Impression) | kPa               |              | 25% | 24                                                             | 35                                                             | 33                                                             | 58                                                             | 27                                                             | TBA               |
|                          |                                                   |                   |              | 50% | 80                                                             | 93                                                             | 90                                                             | 126                                                            | 86                                                             | TBA               |
|                          |                                                   |                   |              | 70% | 202                                                            | 216                                                            | 214                                                            | 286                                                            | 210                                                            | TBA               |
| Water Absorption         | DIN 53428                                         | Vol%              | ± 10%        |     | < 2                                                            |                                                                |                                                                |                                                                |                                                                |                   |
| Operating temperature    |                                                   | °C                |              |     | -20 / +60                                                      |                                                                |                                                                |                                                                |                                                                |                   |
| Linear thermal stability | DIN 53428                                         | %                 | ± 10%        |     | < 2                                                            |                                                                |                                                                |                                                                |                                                                |                   |
| Shrinkage                |                                                   | %                 |              |     | + / - 2                                                        |                                                                |                                                                |                                                                |                                                                |                   |
| Surface resistivity      | ASTM D257                                         | Ohms/Sq           |              |     | N/A                                                            |                                                                |                                                                |                                                                |                                                                | <10 <sup>12</sup> |
| Decay time               | EIA-541                                           | Sec               |              |     |                                                                |                                                                |                                                                |                                                                |                                                                | < 2               |
|                          | Standard 101C                                     |                   |              |     |                                                                |                                                                |                                                                |                                                                |                                                                |                   |
|                          | Method 4046                                       |                   |              |     |                                                                |                                                                |                                                                |                                                                |                                                                |                   |

. (1)MDL = + 3 mm medium density foam for hinges