Carpet backing
Technical Data Sheet

DuPont™ Typar® spunbonded polypropylene is a versatile nonwoven material developed by DuPont as a primary backing for tufted carpets. Typar® is manufactured using a unique integrated process in which continuous filaments of polypropylene are spun and immediately formed into a web that is heat-bonded at filament crossover points. Primary carpet backing of Typar® spunbonded polypropylene offers carpet manufacturers distinctive advantages not found in woven backing materials:

- **Dimensional Stability**
  Typar® provides optimum protection against bowing and skewing and non-uniformity of pattern registration.

- **Optimum Pile Surface Uniformity**
  Typar® eliminates tufting needle deflection for excellent pattern definition, improved velours aesthetics and superior pile-height uniformity.

- **Accurate Cutting**
  Typar® has non-ravelling edges and can be accurately cut in any direction.

DuPont™ Typar® spunbonded polypropylene is available in various basis weights and in a range of widths for producing up to 5 meters wide carpet. Typar® is shipped from the manufacturing plant on heavy-duty 128 mm internal diameter cores and packed in roll lengths up to 1250 meters with a maximum weight of 900 kg.

<table>
<thead>
<tr>
<th>Properties</th>
<th>Standard</th>
<th>Unit</th>
<th>4298</th>
<th>4408</th>
<th>4398</th>
<th>3338</th>
<th>4408-W</th>
<th>4478-W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area weight</td>
<td>EN ISO 9864</td>
<td>g/m²</td>
<td>100</td>
<td>130</td>
<td>136</td>
<td>110</td>
<td>130</td>
<td>160</td>
</tr>
<tr>
<td>Thickness at 2 kN/m²</td>
<td>EN ISO 9863-1</td>
<td>mm</td>
<td>0.35</td>
<td>0.41</td>
<td>0.42</td>
<td>0.49</td>
<td>0.40</td>
<td>0.46</td>
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<tr>
<td>Tensile strength MD *</td>
<td>EN 29073-3</td>
<td>N/5 cm</td>
<td>170</td>
<td>220</td>
<td>330</td>
<td>180</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>Elongation at max. force MD *</td>
<td>EN 29073-3</td>
<td>%</td>
<td>35</td>
<td>35</td>
<td>45</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Tensile strength XD **</td>
<td>EN 29073-3</td>
<td>N/5 cm</td>
<td>170</td>
<td>340</td>
<td>350</td>
<td>270</td>
<td>360</td>
<td>450</td>
</tr>
<tr>
<td>Elongation at max. force XD **</td>
<td>EN 29073-3</td>
<td>%</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>40</td>
<td>35</td>
</tr>
</tbody>
</table>

(*): MD: Machine Direction
(**): XD: Cross Direction

Further product information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own testing. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

DuPont carpet backing is a spunbonded polypropylene, branded Typar® for sale in Europe, Middle East, Africa, and Asia/Pacific and Xavan® for sale in the Americas.
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