Slit valves made of TPE materials offer several advantages at once: The excellent adhesion of TPE materials to the PP base body of the closure increases product safety, and in the recyclability assessment, slit valves made of TPE do not lead to devaluation.

Our Know-how – Your Advantage

These custom-made TPE compounds are your solution for creating directly injected slit or dosing valves in the packaging sector. The compounds can be used in direct contact with various food products – including fatty foods – as well as for cosmetics or care products.

- Controlled migration behavior
  » Contact to fatty foods is possible
- High mechanical load capacity
  » Very low hysteresis loss compared to standard grades
- Excellent adhesion in multi-component injection molding
  » Adhesion to polyolefins
  » Fewer assembly steps
  » Increased product safety
- Optimized processing
  » Uniform mold filling
  » Good punching / slitting properties
  » Very low tendency to stick together
- Free of heavy metals and phthalates
- Reliable and consistent quality

Technical Data

<table>
<thead>
<tr>
<th></th>
<th>HTF9471/80</th>
<th>TF4CMA</th>
<th>TF4CMB</th>
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<tbody>
<tr>
<td>Hardness</td>
<td>Sh A</td>
<td>32</td>
<td>41</td>
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<tr>
<td>Tear resistance</td>
<td>N/mm</td>
<td>8.0</td>
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<tr>
<td>Hysteresis loss 10% elongation (10 cycles)</td>
<td>%</td>
<td>2.5</td>
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<tr>
<td>Color</td>
<td></td>
<td>transparent</td>
<td>translucent</td>
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<tr>
<td>Optimized for low migration potential (Fatty Food)</td>
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<td>yes</td>
<td>yes</td>
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<tr>
<td>Regulations (EU) Nr. 10/2011</td>
<td>yes</td>
<td>yes</td>
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<td>FDA – CFR, Title 21</td>
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<tr>
<td>GB 4806-2016</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
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<tr>
<td>Key Feature</td>
<td>Optimized processability</td>
<td>Processing &amp; lowest migration potential</td>
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</tr>
</tbody>
</table>

Regulations / Approvals

- Regulation (EU) No 10/2011
- FDA – CFR, Title 21
- GB 4806-2016
- REACH
- RoHS
- California Proposition 65

TALK TO OUR EXPERTS!

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