





## Migration stabilised bedding compound for PVC insulation and PVC sheathing.


<p>■ <b>Compound class</b> Bedding compound</p> <p>■ <b>Application examples: Insulation</b> YI 1 - 5                   PVC</p> <p>■ <b>Application examples: Sheathing</b> YM 1 - YM 5           PVC</p> <p>■ <b>Typical applications</b> <i>Bedding compound for cables and wire with max. 90°C operating temperature at conductor.</i></p>	<p>■ <b>Based on</b> POE</p> <p>acc. DIN / VDE 0207 part 4</p> <p>acc. DIN / VDE 0207 part 5</p>	<p>■ <b>Characteristics</b> Halogen-free</p>
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<p>■ <b>Features</b></p> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;">For tandem process</div> </div>	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;">Halogen-free</div> </div>	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;">Migration stabilised</div> </div>
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## PHYSICAL PROPERTIES

Physical properties	Unit	Typical value	Test method
Density*	g/cm <sup>3</sup>	<b>2.01</b>	DIN EN ISO 1183-1A
Hardness*	Shore A	<b>90</b>	DIN ISO 48-4
Mooney viscosity, ML (1+4) 100°C	MU	<b>15</b>	DIN ISO 289-1

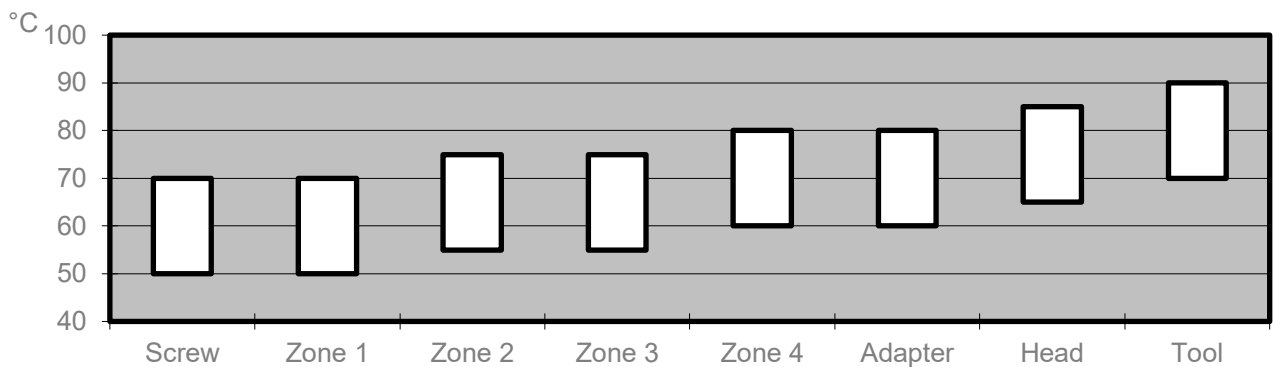
## ELECTRICAL PROPERTIES \*

Major electrical properties	Unit	Typical value	Test method
Volume resistivity (at 27°C)	Ω cm	<b>≥ 10<sup>12</sup></b>	VDE 0472 Part 503
Surface resistivity (at 23°C)	Ω	<b>≥ 10<sup>9</sup></b>	VDE 0472 Part 502

\* pressed plaques, 100°C / 5 min.

## PROCESSING GUIDE

<ul style="list-style-type: none"> <li>■ <b>Extruder type</b></li> <li>■ <b>Screw configuration</b></li> <li>■ <b>Tooling</b></li> <li>■ <b>Temperature profile extruder</b></li> </ul>	<p>Standard extruders for elastomeric or thermoplastic processing</p> <p>Low compression screw with L/D of 12 to 25</p> <p>Compression or semi-compression</p> <p>The profile shown below may vary slightly depending on extruder type, head design &amp; output.</p>
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<ul style="list-style-type: none"> <li>■ <b>Maximum mass temperature</b></li> <li>■ <b>Drying</b></li> </ul>	<p>85°C</p> <p>Pre-drying of Melos FM Bedding Compounds is normally not necessary provided that the compound has been stored in the original sealed bags under cool (max. 30°C) and dry conditions.</p>
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## STORAGE INFORMATION

<ul style="list-style-type: none"> <li>■ <b>Form &amp; packaging</b></li> <li>■ <b>Shelf life</b></li> </ul>	<p>Pellets in sizes 5.5mm &amp; 7.5mm PE-bags (25kg), Octabins (1.000-2.000 kg), BigBags (max. 1.250 kg)</p> <p>1 year after production</p>
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