





## 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>1.96</b>	DIN EN ISO 1183-1A
Hardness*	Shore A	<b>88</b>	DIN ISO 48-4
Mooney viscosity, ML (1+4) 100°C	MU	<b>23</b>	DIN 53 523

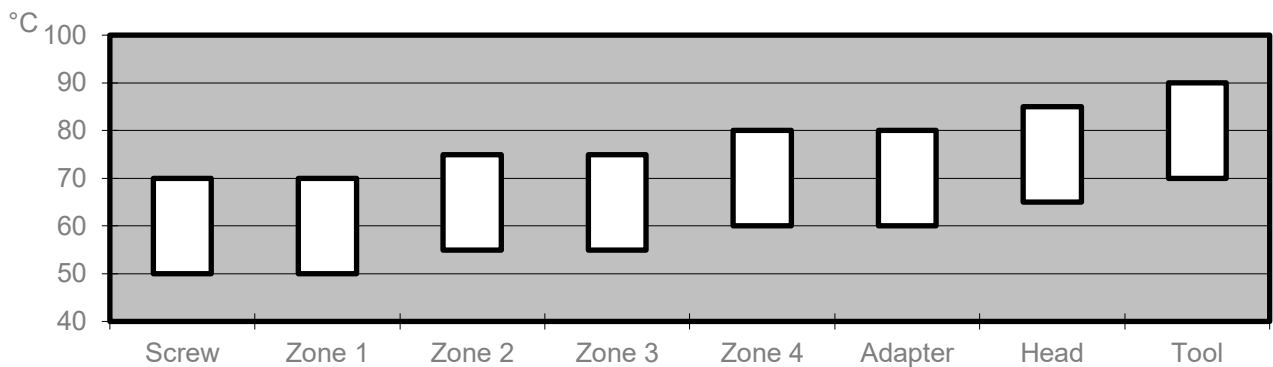
## ELECTRICAL PROPERTIES \*

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

- **Extruder type** Standard extruders for elastomeric or thermoplastic processing
- **Screw configuration** Low compression screw with L/D of 12 to 25
- **Tooling** Compression or semi-compression
- **Temperature profile extruder** The profile shown below may vary slightly depending on extruder type, head design & output.



- **Maximum mass temperature** 85-90°C
- **Drying** 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.

## STORAGE INFORMATION

- **Form & packaging** Pellets in sizes 5.5mm or 7mm  
PE-bags (25kg), Octabins (1.000-2.000 kg), BigBags (max. 1.250 kg)
- **Shelf life** 1 year after production

Note: The information given in this datasheet is believed to be accurate and reliable. However, no warranty, express or implied, or guarantee is given as to the suitability, accuracy, reliability or completeness of the information. This information does not hold us liable for damages or penalties resulting from following our suggestions or recommendations.