



Bedding compound for PVC sheathing and PVC insulation.

■ Compound class

Bedding

■ Application examples: Insulation

YI 1 - 5 PVC

■ Application examples: Sheathing

YM 1 – YM 5 PVC

■ Based on

EPR

acc. DIN / VDE 0207 part 4

acc. DIN / VDE 0207 part 5

■ Characteristics

halogen free

■ Typical applications

For cables and wire with max. 90°C operating temperature at conductor.



Home



City



Industry

■ Features



For tandem process



Migration stabilised



Halogen-free

PHYSICAL PROPERTIES

■ Physical properties

	Unit	Typical value	Test method
Density*	g/cm ³	1,96	DIN EN ISO 1183-1A
Hardness*	Shore A	85	DIN ISO 48-4
Mooney viscosity, ML (1+4) 100°C	MU	27	DIN ISO 289-1

ELECTRICAL PROPERTIES *

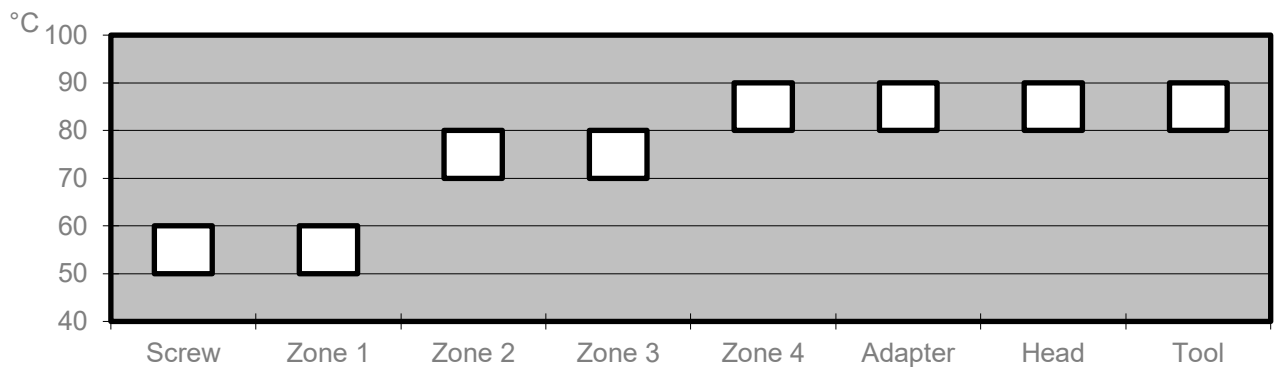
■ Major electrical properties

	Unit	Typical value	Test method
Volume resistivity (27°C)	Ω cm	≥10¹²	VDE 0472 Part 503
Surface resistivity (23°C)	Ω	≥10⁹	VDE 0472 Part 502

* pressed plaques, 100°C / 5 min.

PROCESSING GUIDE

<ul style="list-style-type: none"> ■ Extruder type ■ Screw configuration ■ Tooling ■ Temperature profile extruder 	<p>Standard extruders for elastomeric or thermoplastic materials.</p> <p>Low compression screw with L/D of 12 to 25</p> <p>Semi-compression or tube</p> <p>The profile shown below may vary slightly depending on extruder type, head design & output.</p>
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<ul style="list-style-type: none"> ■ Maximum mass temperature ■ Drying 	<p>80 - 90°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. FM compounds used from open bags require pre-drying during 4–6 hours at 60–70°C.</p>
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STORAGE INFORMATION

<ul style="list-style-type: none"> ■ Form & packaging 	<p>Pellets in sizes 5.5mm & 7.5mm Moisture-resistant bags (25kg), octabins (alu-innerliner, max. 1250kg) & BigBags</p>
<ul style="list-style-type: none"> ■ Shelf life 	<p>1 year after production</p>

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