



Migration stabilised bedding compound for PVC insulation and PVC sheathing.

■ Compound class

Bedding compound

■ 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, black

■ Typical applications

Bedding compound for cables and wire with max. 90°C operating temperature at conductor.



Home



City



Industry

■ Features



For tandem process



Halogen-free



Migration stabilised

PHYSICAL PROPERTIES

■ Physical properties	Unit	Typical value	Test method
Density*	g/cm ³	1,86	DIN EN ISO 1183-1A
Hardness*	Shore A	65	DIN ISO 48-4
Mooney viscosity, ML (1+4) 100°C	MU	22	DIN ISO 289-1

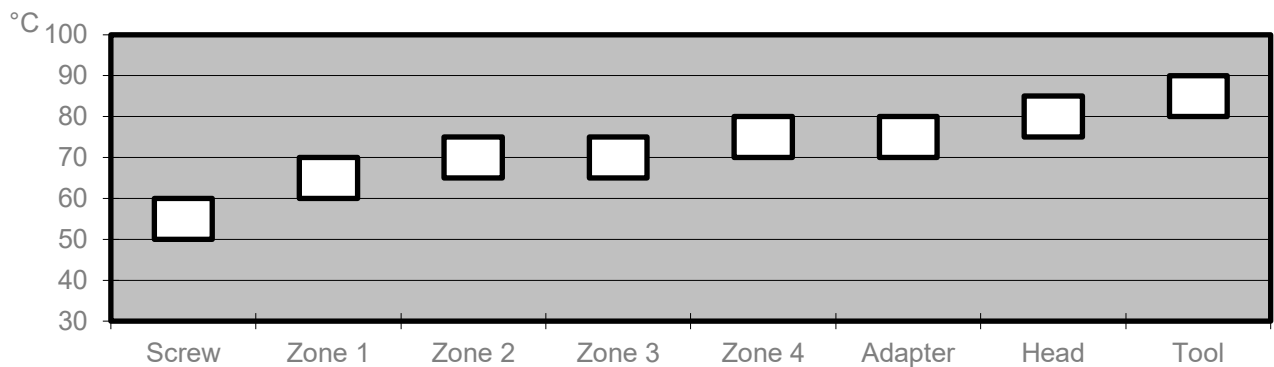
ELECTRICAL PROPERTIES *

■ Major electrical properties	Unit	Typical value	Test method
Volume resistivity (at 27°C)	Ω cm	≥ 10¹²	VDE 0472 Part 503
Surface resistivity (at 23°C)	Ω	≥ 10⁹	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** semi-compression or tube
- **Temperature profile extruder** The profile shown below may vary slightly depending on extruder type, head design & output.



- **Maximum mass temperature** 80 – 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 & 7.5mm
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.

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