



## Bedding compound for XLPE insulation and PVC sheathing.

### ■ Compound class

Bedding compound

### ■ Application examples: Insulation

2 XI 1            XLPE  
2 YI 1 - 5        PE  
9 YI 1            PP

### ■ Application examples: Sheathing

2 YM 3            HDPE  
YM 1 - YM 5     PVC

### ■ Based on

TPE-O

acc. DIN / VDE 0207 part 22  
acc. DIN / VDE 0207 part 2  
acc. DIN / VDE 0207 part 7

acc. DIN / VDE 0207 part 3  
acc. DIN / VDE 0207 part 5

### ■ Characteristics

Halogen-free

### ■ Typical applications

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



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Industry

### ■ Features



For tandem process



Halogen-free



Migration stabilised

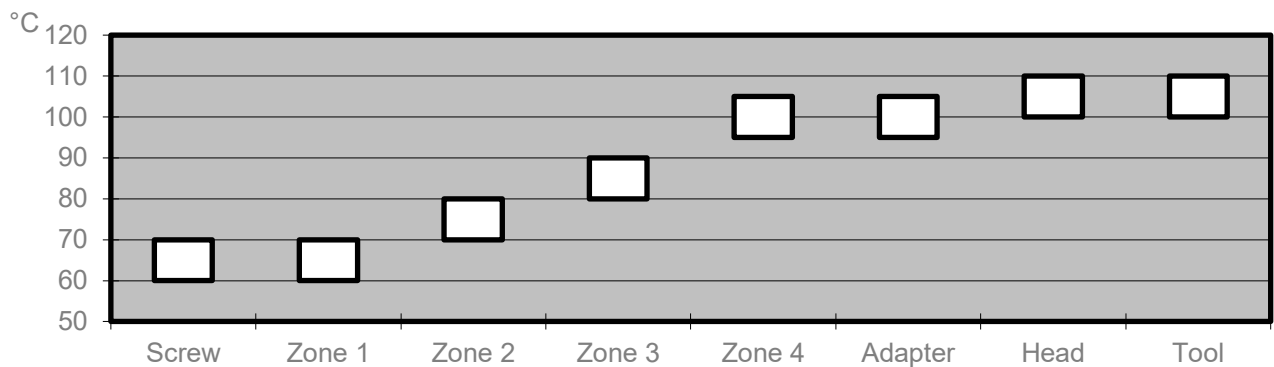
## PHYSICAL PROPERTIES

■ Physical properties	Unit	Typical value	Test method
Density*	g/cm <sup>3</sup>	<b>1.92</b>	DIN EN ISO 1183-1A
Hardness*	Shore A	<b>87</b>	DIN ISO 48-4
Mooney viscosity, ML (1+4) 100°C	MU	<b>25</b>	DIN ISO 289-1

\* 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
- **Temperature profile extruder** The profile shown below may vary slightly depending on extruder type, head design & output.



- **Maximum mass temperature** 100 – 110°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 (25 kg), Octabins (1.000-2.000 kg), BigBags (max. 1.250 kg)
- **Shelf life** 1 year after production

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