

# HOSTAFORM® UV25Z XAP®2

## HOSTAFORM®

HOSTAFORM® UV25Z XAP2 is a nominal 2.5 melt flow rate acetal copolymer which has been specially stabilized to prevent discoloration and deterioration of mechanical properties from ultraviolet light exposure. The material is available in precolored black or colors, with reduced emissions especially for automotive interior application. Emission according to VDA 275 < 5 mg/kg (natural grades) Emission according to VDA 275 < 5 mg/kg (colored grades).

### Product information

Resin Identification	POM	ISO 1043
Part Marking Code	>POM<	ISO 11469

### Rheological properties

Melt mass-flow rate	2.3 g/10min	ISO 1133
Melt mass-flow rate, Temperature	190 °C	
Melt mass-flow rate, Load	2.16 kg	

### Typical mechanical properties

Tensile modulus	2400 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	60 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10 %	ISO 527-1/-2
Charpy notched impact strength, 23°C	8 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.38 <sup>[C]</sup>	

[C]: Calculated

### Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	90 °C	ISO 75-1/-2

### Physical/Other properties

Density	1400 kg/m <sup>3</sup>	ISO 1183
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### Injection

Drying Recommended	no
Drying Temperature	100 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Processing Moisture Content	≤0.2 %
Melt Temperature Optimum	195 °C
Min. melt temperature	180 °C
Max. melt temperature	210 °C
Screw tangential speed	≤0.3 m/s
Mold Temperature Optimum	100 °C
Min. mould temperature	80 °C
Max. mould temperature	120 °C
Hold pressure range	60 - 120 MPa
Back pressure	4 MPa

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### Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	U.V. stabilised or stable to weather, Low emissions

### Additional information

Injection molding

#### Preprocessing

To achieve low emission values pre drying using a recirculating air dryer (100 to 120 °C / max. 40 mm layer / 3 to 6 hours) is recommended.

Max. Water content 0,1 %

#### Processing

Standard injection moulding machines with three phase (15 to 25 D) plasticating screws will fit.

#### Postprocessing

Postprocessing conditioning and moisturizing are not required. It may be necessary to fixture large or complicated parts with varying wall thickness to prevent warpage while cooling to ambient temperature.

Processing Notes

#### Storage

The product can then be stored in standard conditions until processed.