

# POLIFOR® 5003/V2

## POLIFOR®

Polypropylene, homopolymer, V2, low halogen content, antimony oxide free

### Product information

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

### Rheological properties

Melt mass-flow rate	12 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

### Typical mechanical properties

Tensile modulus	1600 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	33 MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	20 %	ISO 527-1/-2
Flexural modulus	1500 MPa	ISO 178
Flexural strength	50 MPa	ISO 178
Charpy impact strength, 23°C	70 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	2.2 kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23°C	2.5 kJ/m <sup>2</sup>	ISO 180/1A
Poisson's ratio	0.42 <sup>[C]</sup>	

[C]: Calculated

### Thermal properties

Vicat softening temperature, 50°C/h 50N	93 °C	ISO 306
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### Flammability

Burning Behav. at 1.5mm nom. thickn.	V-2 class	IEC 60695-11-10
Burning Behav. at thickness h	V-2 class	IEC 60695-11-10
Thickness tested	3.2 mm	IEC 60695-11-10

### Electrical properties

Comparative tracking index, 100 drops	600	IEC 60112
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### Physical/Other properties

Density	920 kg/m <sup>3</sup>	ISO 1183
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### Characteristics

Processing	Injection Moulding
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### Additional information

Processing Notes

### Storage

This product should be stored in a covered facility and kept away from moisture and heat.