

# FORTRON® 0205B4/20µm

## Polyphenylene sulfide

Based on the adjusted particle size distribution, Fortron 0205B4/20µm is suitable for coating processes. Chemical and physical properties (exception is the particle size distribution) are the same like for Fortron 0205B4.

### Product information

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

### Typical mechanical properties

Tensile modulus	4000 MPa	ISO 527-1/-2
Flexural modulus	3900 MPa	ISO 178
Flexural strength	130 MPa	ISO 178
Poisson's ratio	0.36 <sup>[C]</sup>	

[C]: Calculated

### Thermal properties

Melting temperature, 10 °C/min	280 °C	ISO 11357-1/-3
Glass transition temperature, 10 °C/min	90 °C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	115 °C	ISO 75-1/-2

### Physical/Other properties

Density	1350 kg/m <sup>3</sup>	ISO 1183
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### Injection

Drying Recommended	yes
Drying Temperature	110 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.02 %
Melt Temperature Optimum	315 °C
Min. melt temperature	275 °C
Max. melt temperature	320 °C
Screw tangential speed	0.2 - 0.3 m/s
Mold Temperature Optimum	150 °C
Min. mould temperature	135 °C
Max. mould temperature	160 °C
Hold pressure range	30 - 70 MPa

### Characteristics

Processing	Injection Moulding, Coatable
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### Additional information

Processing Notes

#### Pre-Drying

120° C

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