

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 ^[C]	

[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 ³	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

Additional information

Processing Notes

Pre-Drying

120° C

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