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	580000	psi	ISO 527-1/-2
Flexural modulus	566000	psi	ISO 178
Flexural strength	18900	psi	ISO 178

Thermal properties

Melting temperature, 10°C/min	536	°F	ISO 11357-1/-3
Glass transition temperature, 10°C/min	194	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	239	°F	ISO 75-1/-2

Physical/Other properties

Density	0.0487	lb/in³	ISO 1183

Injection

Drying Recommended	yes	
Drying Temperature	230	°F
Drying Time, Dehumidified Dryer	2 - 4	h
Processing Moisture Content	≤0.02	%
Melt Temperature Optimum	599	°F
Min. melt temperature	527	°F
Max. melt temperature	608	°F
Max. screw tangential speed	0.2 - 0.3	m/s
Mold Temperature Optimum	302	°F
Min. mold temperature	275	°F
Max. mold temperature	320	°F
Hold pressure range	4350 - 10200	psi

Characteristics

Processing	Injection Molding, Coating, Porous Sintering, Powder Coating

Additional information

Processing Notes

Pre-Drying

120° C

Revised: 2026-09-08 Source: Celanese Materials Database

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