

FORTRON® 0205B4/20µm | PPS | Specialty

Description

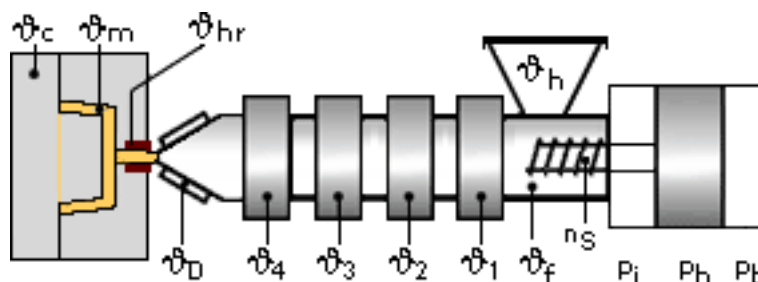
Based on the adjusted particle size distribution, Fortron 0205B4/20µm is suitable for coating processes. Chemical and physical properties (exception is the particle size distribution) are the same like for Fortron 0205B4.

Physical properties	Value	Unit	Test Standard
Density	1350	kg/m ³	ISO 1183

Mechanical properties	Value	Unit	Test Standard
Tensile modulus (1mm/min)	4000	MPa	ISO 527-2/1A
Flexural modulus (23°C)	3900	MPa	ISO 178
Flexural strength (23°C)	130	MPa	ISO 178

Thermal properties	Value	Unit	Test Standard
Melting temperature (10°C/min)	280	°C	ISO 11357-1,-2,-3
Glass transition temperature (10°C/min)	90	°C	ISO 11357-1,-2,-3
DTUL @ 1.8 MPa	115	°C	ISO 75-1/-2

Typical injection moulding processing conditions



Pre Drying:

Necessary low maximum residual moisture content: **0.02%**

120° C

Drying time: 1 h

Drying temperature: 1 - 1 °C

Temperature:

	ϕ _{Melt}	ϕ _{Nozzle}	ϕ _{Zone3}	ϕ _{Zone2}	ϕ _{Zone1}	ϕ _{Feed}
min (°C)	295	300	300	290	290	285
max (°C)	330	310	310	300	295	290

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General Disclaimer

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colorants or other additives may cause significant variations in data values.

Properties of molded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.

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We strongly recommend that users seek and adhere to the manufacturer's current instructions for handling each material they use, and entrust the handling of such material to adequately trained personnel only. Please call the telephone numbers listed (+49 (0) 69 30516299 for Europe and +1 859-372-3244 for the Americas) for additional technical information. Call Customer Services for the appropriate Materials Safety Data Sheets (MSDS) before attempting to process our products.

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