

FORTRON® 0205B4/20µm - PPS

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	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/-3
Glass transition temperature, 10°C/min	90	°C	ISO 11357-1,-2,-3
DTUL at 1.8 MPa	115	°C	ISO 75-1, -2

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Necessary low maximum residual moisture content	0,02	%	-
Drying time	3 - 4	h	-
Drying temperature	110 - 120	°C	-
Temperature	Value	Unit	Test Standard
Feeding zone temperature	285 - 290	°C	-
Zone1 temperature	290 - 295	°C	-
Zone2 temperature	290 - 300	°C	-
Zone3 temperature	300 - 310	°C	-
Nozzle temperature	300 - 310	°C	-
Melt temperature	295 - 330	°C	-

Other text information

Pre-drying

120° C

Characteristics

Product Categories

Specialty

Contact Information

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General Disclaimer

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