

FORTRON® 0203

PPS

Celanese

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Spec. heat capacity of melt	1830	J/(kg K)	-
^[C] : CAMPUS			

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	4200	MPa	ISO 527
^[C] Stress at break	33	MPa	ISO 527
^[C] Strain at break	1	%	ISO 527
^[C] : CAMPUS			

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	280	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	90	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	120	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	95	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	55	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	53	E-6/K	ISO 11359-1/-2
^[C] : CAMPUS			

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 1MHz	4	-	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	84	E-4	IEC 62631-2-1
^[C] Volume resistivity	1E9	Ohm*m	IEC 62631-3-1
^[C] Electric strength	17	kV/mm	IEC 60243-1
^[C] : CAMPUS			

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.02	%	Sim. to ISO 62
^[C] Density	1350	kg/m ³	ISO 1183
^[C] : CAMPUS			

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Powder

Regional Availability

North America, Europe, South and Central America, Near East/Africa