FORTRON® 0309

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] Stress at break	**90**	MPa	ISO 527
[C] Strain at break	**8**	%	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	**115**	°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	**52**	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	**4.6**	-	IEC 62631-2-1
[C] Dissipation factor, 1MHz	**11**	E-4	IEC 62631-2-1
[C] Volume resistivity	**1E9**	Ohm*m	IEC 62631-3-1
[C] Electric strength	**18**	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/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets, Powder

Regional Availability

North America, Europe, Asia Pacific, South and Central America

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