

Product Texts

Celanex 4309AR is a 30% glass reinforced PBT with enhanced resistance to hydrolysis, alkaline environments and salt water spray.

Flammability at thickness h (0.8 HB mm)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.5	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8100	MPa	ISO 527
^[C] Stress at break	100	MPa	ISO 527
^[C] Strain at break	3	%	ISO 527
^[C] Charpy impact strength, +23°C	45	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	50	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	8.7	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	191	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	217	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	23	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	95	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1440	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Chemical Resistance

Alkali Resistance, Hydrolytically Stable

Delivery form

Pellets

Regional Availability

North America