

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3500	MPa	ISO 527
Yield stress	80	MPa	ISO 527
Nominal strain at break	5	%	ISO 527
Stress at break	80	MPa	ISO 527
Flexural modulus, 23°C	3500	MPa	ISO 178
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 65	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	142	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
Coefficient of Thermal Expansion, MD	45	E-6/K	ASTM D 696
Limiting Oxygen Index	30	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	3.1	-	IEC 62631-2-1
Relative permittivity, 1MHz	2.95	-	IEC 62631-2-1
Dissipation factor, 100Hz	8	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	92	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Electric strength	22	kV/mm	IEC 60243-1
ASTM Data			
Arc Resistance	110	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1270	kg/m ³	ISO 1183

Characteristics

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific