

Multilon® TN-7570Z

(PC+ABS)

Teijin Chemicals Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2800	MPa	ISO 527
Yield stress	65	MPa	ISO 527
Yield strain	3	%	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	45	%	ISO 527
Flexural modulus, 23°C	2800	MPa	ISO 178
Flexural strength	100	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	91	°C	ISO 75-1/-2
Vicat softening temperature, B	94	°C	ISO 306
Coeff. of linear therm. expansion, parallel	80	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1180	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	5 - 8	h	-
Melt temperature	230 - 270	°C	-
Mold temperature	50 - 70	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant, Halogen-free, U.V. stabilized or stable to weather

Applications

IT / Business Machine

Regional Availability

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