Multilon® T-3750

(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	**2250**	MPa	ISO 527
Yield stress	**55**	MPa	ISO 527
Yield strain	**5**	%	ISO 527
Stress at break	**50**	MPa	ISO 527
Strain at break	**80**	%	ISO 527
Flexural modulus, 23°C	**2300**	MPa	ISO 178
Flexural strength	**83**	MPa	ISO 178
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**80**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**100**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**115**	°C	ISO 75-1/-2
Vicat softening temperature, B	**114**	°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 thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**1E16**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1130**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**110**	°C	-
Pre-drying - Time	**5 - 8**	h	-
Melt temperature	**230 - 260**	°C	-
Mold temperature	**50 - 70**	°C	-

Characteristics

Processing
Injection Molding

Applications
General Purpose

Delivery form
Pellets

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