Multilon® DN-3710F

(PC+ABS)-MX — Teijin Chemicals Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.5**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**4200**	MPa	ISO 527
Yield stress	**61**	MPa	ISO 527
Yield strain	**3**	%	ISO 527
Stress at break	**48**	MPa	ISO 527
Strain at break	**35**	%	ISO 527
Flexural modulus, 23°C	**4100**	MPa	ISO 178
Flexural strength	**94**	MPa	ISO 178
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**13**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**83**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**95**	°C	ISO 75-1/-2
Vicat softening temperature, B	**98**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**45**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**70**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-1**	class	IEC 60695-11-10
Thickness tested	**1.0**	mm	-
Burning behav. 5V at thickness h	**5VB**	class	IEC 60695-11-20
Thickness tested	**1.8**	mm	-

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

Other properties	Value	Unit	Test Standard
Density	**1260**	kg/m³	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

Applications
IT / Business Machine

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