

Multilon® T-3750

TEIJIN LIMITED - Polycarbonate + ABS

General Information

Product Description

PC/ABS polymer alloy

General

Properties	• General Purpose
Uses	• General Purpose
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.50 to 0.70	%	
Flow : 4.00 mm	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2250	MPa	ISO 527-1/1
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	50.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	5.0	%	ISO 527-2/50
Tensile Strain (Break, 23°C)	80	%	ISO 527-2/50
Flexural Modulus ² (23°C)	2300	MPa	ISO 178
Flexural Stress ² (23°C)	83.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	80	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/B
0.45 MPa, Unannealed	115	°C	
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	100	°C	
Vicat Softening Temperature	114	°C	ISO 306/B50
CLTE - Flow	8.0E-5	cm/cm/°C	ISO 11359-2
CLTE - Transverse	8.0E-5	cm/cm/°C	ISO 11359-2
RTI Elec (0.75 mm)	60.0	°C	UL 746B
RTI Imp (0.75 mm)	60.0	°C	UL 746B
RTI Str (0.75 mm)	60.0	°C	UL 746B
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.75 mm)	HB		UL 94

Multilon® T-3750

TEIJIN LIMITED - Polycarbonate + ABS

Processing Information		
Injection	Nominal Value	Unit
Drying Temperature	110	°C
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	230 to 260	°C
Mold Temperature	50 to 70	°C

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² 2.0 mm/min