



Multilon® TN-7500

TEIJIN LIMITED - Polycarbonate + ABS

General Information

Product Description

PC/ABS polymer alloy, Non-halogen type flame resistant series

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant	• Halogen Free	• High Flow
Uses	• Business Equipment	• Office Automation Equipment	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.18	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	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	63.0	MPa	ISO 527-2/50
Tensile Stress (Break)	47.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Tensile Strain (Break)	50	%	ISO 527-2/50
Flexural Modulus ²	2600	MPa	ISO 178
Flexural Stress ²	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	13	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	91.0	°C	ISO 75-2/B
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	94.0	°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
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093

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Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.45 mm		HB	
0.8 mm		V-2	
1.2 mm		V-1	
1.5 mm		V-0	
2.0 mm		5VB	

Processing Information			
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	5.0 to 8.0	hr	
Processing (Melt) Temp	230 to 270	°C	
Mold Temperature	50 to 60	°C	

Notes

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