

Multilon® TN-7100F

Polycarbonate + ABS

TEIJIN LIMITED

Message:

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

General Information			
UL YellowCard	E98529-253695	E244324-101599332	
Features	Bromine Free		
	Flame Retardant		
	High Rigidity		
Uses	Business Equipment		
	Office Automation Equipment		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.40 to 0.60	%	
Flow : 4.00 mm	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	62.0	MPa	
Break	46.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	2.0	%	
Break	50	%	
Flexural Modulus ¹	3200	MPa	ISO 178
Flexural Stress ²	94.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	22	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	93.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	83.0	°C	ISO 75-2/A
Vicat Softening Temperature	96.0	°C	ISO 306/B50

CLTE			ISO 11359-2
Flow	6.0E-5	cm/cm/°C	
Transverse	7.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		
1.00 mm	V-1		
1.50 mm	V-0		
1.80 mm	5VB		
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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