

Multilon® TN-3713B

Polycarbonate + ABS

TEIJIN LIMITED

Message:

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

General Information			
UL YellowCard	E98529-500155	E244324-101599316	
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	0.45 to 0.65	%	
Flow : 4.00 mm	0.45 to 0.65	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3050	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	63.0	MPa	
Break	50.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	3.0	%	
Break	100	%	
Flexural Modulus ¹	3000	MPa	ISO 178
Flexural Stress ²	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	25	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	94.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	84.0	°C	ISO 75-2/A
Vicat Softening Temperature	97.0	°C	ISO 306/B50

CLTE			ISO 11359-2
Flow	6.5E-5	cm/cm/°C	
Transverse	6.5E-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
1.00 mm	V-1		
1.50 mm	V-0		
2.00 mm	5VB		
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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