

Multilon® MK-1000A

Polycarbonate + ABS

TEIJIN LIMITED

Message:

PC/ABS polymer alloy, Automotive series

General Information			
UL YellowCard	E50075-241819	E244324-101516721	
Features	Platable		
Uses	Automotive Instrument Panel		
	General Purpose		
	Handles		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	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	2050	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	50.0	MPa	
Break	42.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	3.0	%	
Break	110	%	
Flexural Modulus ¹	2100	MPa	ISO 178
Flexural Stress ²	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	60	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	121	°C	ISO 75-2/B
1.8 MPa, Unannealed	97.0	°C	ISO 75-2/A
Vicat Softening Temperature	116	°C	ISO 306/B50
CLTE			ISO 11359-2
Flow	8.0E-5	cm/cm/°C	

Transverse	8.0E-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 (1.50 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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