

Multilon® MK-2055

Polycarbonate + ABS

TEIJIN LIMITED

Message:

PC/ABS polymer alloy, Plating type, Automotive series

General Information			
Features	Impact resistance, good		
	Electroplateable		
	High liquidity		
Uses	Handle		
	Car dashboard		
	General		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	7.00	cm ³ /10min	ISO 1133
Molding Shrinkage			Internal method
Transverse flow: 4.00mm	0.40 - 0.60	%	Internal method
Flow: 4.00mm	0.30 - 0.50	%	Internal method
Water Absorption (23°C, 24 hr)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Pencil Hardness	2B to B		JIS K5600
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 23°C	50.0	MPa	ISO 527-2/50
Fracture, 23°C	45.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	3.0	%	ISO 527-2/50
Fracture, 23°C	110	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	1950	MPa	ISO 178
Flexural Stress ² (23°C)	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	60	kJ/m ²	ISO 179

23°C	60	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	125	°C	ISO 75-2/B
1.8 MPa, not annealed	100	°C	ISO 75-2/A
Vicat Softening Temperature	117	°C	ISO 306/B50
Linear thermal expansion coefficient			ISO 11359-2
Flow	5.0E-5	cm/cm/°C	ISO 11359-2
Lateral	8.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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