

Multilon® DN-7730M

Polycarbonate + ABS

TEIJIN LIMITED

Message:

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

General Information			
UL YellowCard	E98529-100475542		
Filler / Reinforcement	Filler,30% Filler by Weight		
Features	Bromine Free		
	Flame Retardant		
	High Rigidity		
Uses	Business Equipment		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.20 to 0.40	%	
Flow : 4.00 mm	0.10 to 0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9000	MPa	ISO 527-2/1
Tensile Stress (Break)	66.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	8000	MPa	ISO 178
Flexural Stress ²	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	18	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	108	°C	ISO 75-2/A
Vicat Softening Temperature	122	°C	ISO 306/B50
CLTE			ISO 11359-2
Flow	3.0E-5	cm/cm/°C	
Transverse	3.5E-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
1.50 mm, Black	V-1		
2.00 mm, Black	5VB		
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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