

Multilon® DN-7720D

Polycarbonate + ABS

TEIJIN LIMITED

Message:

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

General Information			
UL YellowCard	E98529-517942	E244324-101599235	
Filler / Reinforcement	Filler,20% 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	1.35	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.30 to 0.50	%	
Flow : 4.00 mm	0.20 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	74.0	MPa	
Break	70.0	MPa	
Tensile Strain			ISO 527-2/5
Yield	2.0	%	
Break	3.0	%	
Flexural Modulus ¹	6200	MPa	ISO 178
Flexural Stress ²	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	122	°C	ISO 75-2/B
1.8 MPa, Unannealed	110	°C	ISO 75-2/A

Vicat Softening Temperature	124	°C	ISO 306/B50
CLTE			ISO 11359-2
Flow	4.0E-5	cm/cm/°C	
Transverse	4.8E-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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

