

Miniature ABS Box

HBT3 Series



General ABS HF-0660I

Properties at 23°C	Test Method	Test Condition	Unit	Value
Physical Properties				
Specific Gravity	ASTM D792	Natural Colour	-	1.04
Water Absorption	ASTM D570	24hr,immersion in water	%	0.3
Melt Flow Index	ASTM D1238	200°C/5kg	g/10min	3.8
Mold Shrinkage	ASTM D955	-	%	0.3 ~ 0.6
Mechanical Properties				
Tensile Strength	ASTM D638	5mm/min	MPa(psi) kgf/cm ²	43(6,300) 440
Flexural Strength	ASTM D790	2.8mm/min	MPa(psi) kgf/cm ²	61(8,800) 620
Flexural Modulus	ASTM D790	2.8mm/min	MPa(psi) kgf/cm ²	2,200(310,000) 22,000
Izod Impact Strength (Notched)	ASTM D256	1/4 inch	J/m(ft·lbf/in) kgf·cm/cm	196(3.7) 20
		1/8 inch	J/m(ft·lbf/in) kgf·cm/cm	245(4.6) -
Rockwell Hardness	ASTM D785	R-scale	-	106
Thermal Properties				
Heat Deflection Temperature (unannealed), 1/4"	ASTM D648	1.8MPa	°F °C	185 85
Vicat Softening Temperature (unannealed)	ISO R 306	B/50	°F °C	207 97
Flammability				
UL 94 Classification	UL94	1.5mm specimen	Recognized	HB

Note:

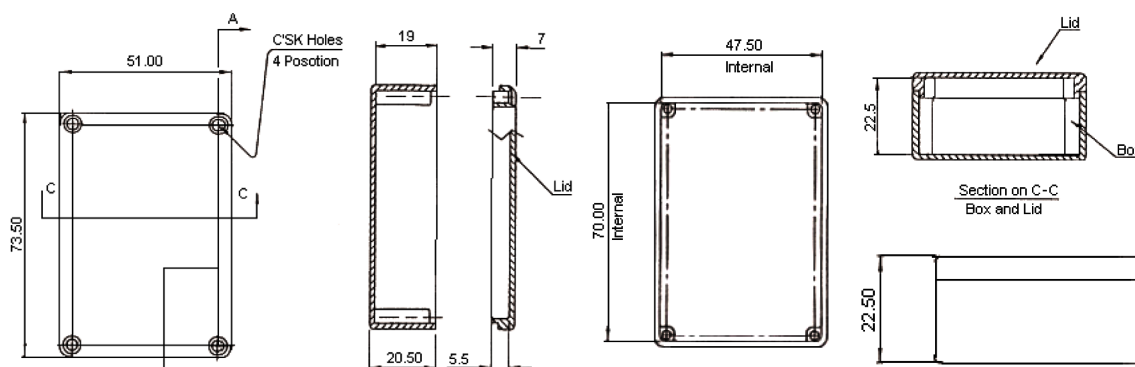
The above values are only the representatives of natural colour specimen, not for guarantee

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Diagram



Dimensions : Millimetres

Specification Table

Part Number	Colour	Overall Dimensions			Nominal Thickness
		A	B	C	
HBT3	Black	73.5mm	51mm	25.5mm	1.75mm
HBT3W	White				

Material Designation : HF-06601+

Product Description : Acrylonitrile Butadiene Styrene (ABS), furnished as pellets

Colour	Min Thick (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	1.5	HB	4	0	60	60	60
	3	HB	3	0	60	60	60
	6	HB	2	0	60	60	60

Comparative Tracking Index (CTI) : 2

High-Voltage Arc Tracking Rate (HVTR) : 2

(D495) : 7

UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.

Part Number Table

Description	Part Number
HBT3 Series - Miniature ABS Box	HBT3
	HBT3W

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