

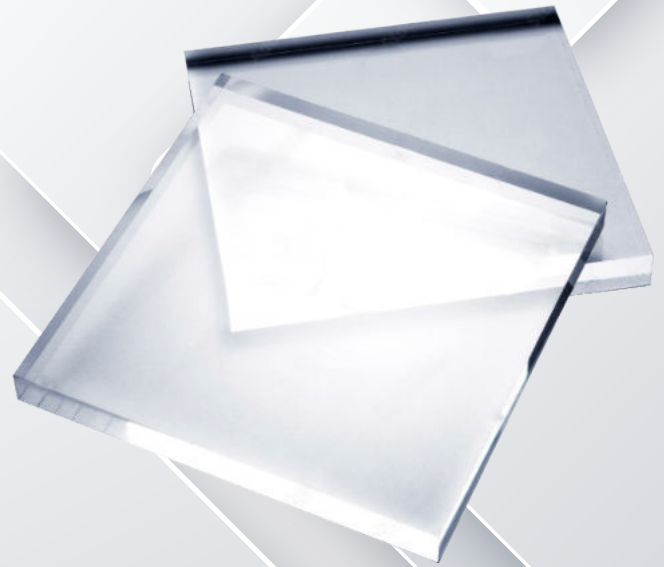


## ESD Acrylic Plate Part Number: M01-Y-003~20

### Product Characteristics

Size: 1,200 mm x 2,400 mm  
Thickness: 3.0/4.0/5.0/6.0/8.0/10.0 mm  
Color: Clear Transparent

**Note:** Special Sizes, Thickness and Colors are Available Upon Request

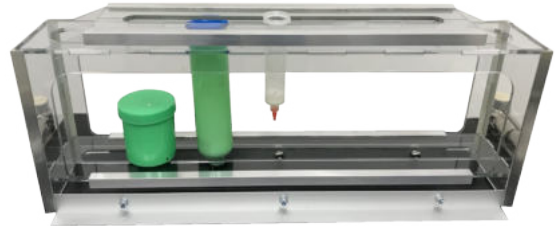


	ASTM Test Method	Unit	Value
<b>Physical Properties</b>			
Specific Gravity	ASTM D-792	g/cm <sup>2</sup>	1.19
Water Absorption	ASTM D-570	%	0.3
Pencil Hardness	JIS K-5400	-	3H ~ 5H
Piece Close Adhesion Strength	JIS K-5400	-	100/100
<b>Mechanical Properties</b>			
Tensile Strength	ASTM D-638	Mpa (kgf/cm <sup>2</sup> )	560 ~ 670
Elongation	ASTM D-638	%	2.0 ~ 7.0
Flexural Strength	ASTM D-790	kgf/cm <sup>2</sup>	840 ~ 1200
Flexural Modulus of Elasticity	ASTM D-256	kgf/cm <sup>2</sup>	2.6 10e4 ~ 3.2 x 10e4
Compressive Strength	ASTM D-256	Jkgf/cm <sup>2</sup>	-
Izod Shock Strength	ASTM D-256	J/M (kgf cm/cm <sup>2</sup> )	2
<b>Thermal Properties</b>			
Burning Resistance	UL-94	-	Incombustibility HB
Coefficient of Linear Thermal Expansion	ASTM D-696	X10e5 in/ in °F	-
Heat Deflection Temp	ASTM D-648	°F/°C at 264 psi	-
Vicat Softening Temp	ASTM D-3418	°F/°C	-
Max Operation Temp	-	°F/°C	-
Thermal Conductivity	ASTM D-177	BTU-in/ft <sup>2</sup> -hr-° Fx10e4cal/in/cm- sec-°C	-
<b>Electrical Properties</b>			
Surface Resistivity	ASTM D-257	ohm/sq.	<e9
Anti-Static Decay Time	MIL B-81705 B	Sec	Below 0.1

# APPLICATIONS



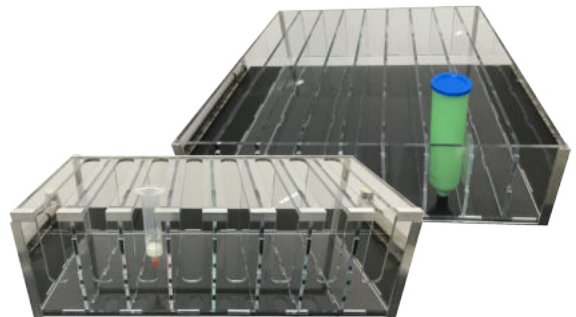
ESD acrylic storage box for bolts and screws



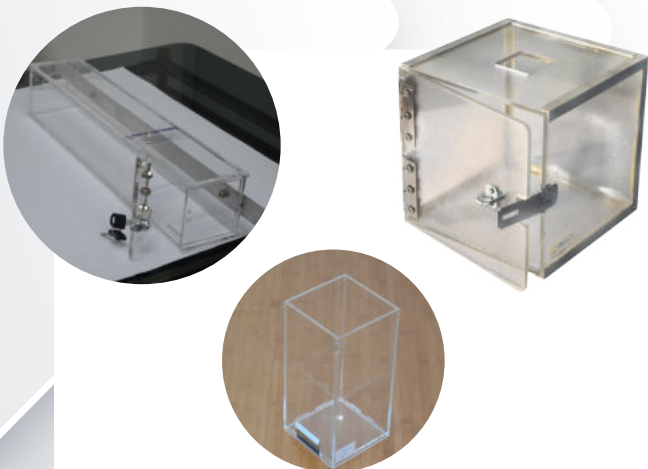
Acrylic box with aluminum reinforcements to keep mixed flow and storage



Pasta dispenser with fixing to the base



Acrylic box for placement and storage of syringes.



Fully customized ESD acrylic boxes



**Thermoformed acrylic:** Portascann, document holder, custom bin with door