

# DETECTAMET

## Technical Data Sheet

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### 620C Stainless Steel Security Cage



#### Technical Data Sheet Applicable To:

620C-1421-*	Medium Security Cage (All Configurations)
620C-1415-*	Large Security Cage (All Configurations)
620C-1422-*	X-Large Security Cage (All Configurations)

#### Industry Usage:

This product keeps tools safe and secure, contributing to internal traceability systems. Available with either an acrylic, polycarbonate, or stainless steel mesh door. Locking and Magnetised doors also available.

#### Material and Compliance information:

##### Sizing information

Medium: 300mm x 500mm x 70mm (11.81 x 19.68 x 2.75")

Large: 450 x 750 x 70mm (17.71 x 29.52 x 2.75")

X-Large: 750 x 850 x 70mm (29.52 x 33.46 x 2.75")

#### Cage Body Compliance

The above mentioned components;

- Are manufactured from 1.2mm (47.2 mil) 304 grade stainless steel

#### Screws and Fixings Compliance

The above mentioned components;

- Do not contain any substances of very high concern (SVHC)
- Are REACH Compliant (1907/2006)
- Are RoHS Compliant
- Are manufactured from Stainless Steel

#### Hinges Compliance information;

The above mentioned components;

- Are manufactured from 201 grade stainless steel
- Are BS EN 1935:2002 Grade 7
- Are UKCA and CE marked

#### Handle compliance information;

The above mentioned components;

- Are manufactured from 304 Stainless Steel

#### Twist Lock compliance information;

The above mentioned components;

- Are manufactured from 304 Stainless Steel

#### Polycarbonate compliance information;

The below table is relevant to only the Polycarbonate door option

Property	Test Method	Units	Value
Physical			
Density	ISO 1183	g/cm <sup>3</sup>	1.20
Water absorption, 50% RH, 23°C	ISO 62	%	0.15
Water absorption, saturation, 23°C	ISO 62	%	0.35
Mechanical			
Yield stress 50 mm/min	ISO 527	MPa	>60
Yield strain 50 mm/min	ISO 527	%	6
Nominal strain at break 50 mm/min	ISO 527	%	>100
Tensile modulus 1 mm/min	ISO 527	MPa	2300
Flexural strength 2 mm/min	ISO 178	MPa	90
Flexural modulus 2 mm/min	ISO 178	MPa	2300
Impact			
Charpy impact, notched 23°C, 3.0mm	ISO 179/1eA	kJ/m <sup>2</sup>	75
Izod impact, unnotched 23°C, 3.0mm	ISO 180/1U	kJ/m <sup>2</sup>	NB

Izod impact, notched 23°C, 3.0mm	ISO 180/1A	kJ/m <sup>2</sup>	70
Thermal			
Vicat softening temperature, B/120	ISO 306	°C	145
Temperature of deflection under load (type A), 1.8 MPa, flat	ISO 75-2	°C	127
Thermal conductivity	ISO 8302	W/m.°C	0.2
Coefficient of linear thermal expansion, 23 - 55°C	ISO 11359-2	1/°C	7 x 10 <sup>-5</sup>
Ball pressure test 125 +/- 2°C	IEC 60695-10-2	-	Pass
Electrical			
Volume resistivity	IEC 60093	Ohm.cm	>10 <sup>15</sup>
Dielectric strength, in oil, 3.2mm	IEC 60243-1	kV/mm	18

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