

Black Clear-STAT®

Black transparent

Transparent dissipative material made of Amorphous PolyEthylene Terephthalate (APET), particularly tailored to the need of more reliable ESD materials in a variety of applications such as semiconductor, LCD module tray caps and all ionic contamination sensitive applications.

Carbon nanotubes fillers confer a surface resistance $10^5 \leq R_{pp} < 10^{11} \Omega$ and a transparency perfect for blister packing of products sensitive to surface defects (scratches, dust...). Ideal for barcode identification scanning,...

Thickness available: 0.6 mm, 0.8 mm, 1.2mm,

Other thickness on request.

Product Specification

Colour: Black Transparent
 Standard Thickness: 0.8mm
Other thickness gauge available upon project definition

Electrical Properties

	Test standard	Results
Surface resistance R_s	IEC 61340-5-3	$10^5 \leq R_s < 10^{11} \Omega$
Point to Point Resistance R_{pp}	IEC 61340-5-3	$10^5 \leq R_{pp} < 10^{11} \Omega$
Volume Resistance R_v	IEC 61340-5-3	$10^5 \leq R_v < 10^{11} \Omega$



Material Properties

	Test Method	Unit	Values
Physical			
Specific Gravity	ASTM D 792	-	1.34
Mechanical			
Tensile Strength	ASTM D 638	kgf/mm ²	6.1
Elongation	ASTM D 638	%	380
Izod Impact Strength	ASTM D 256	Kg.cm/cm	3.8
Flexural Modulus	ASTM D 790	kgf/mm ²	221
Thermal			
Vicat Softening	ASTM D 1525	°C	75
Heat Distortion	ASTM D 648	°C	70
Dimensional			
Available Thickness (<i>Other on request.</i>)	ICQQ509	mm	0.6 - 1.2