Product Data Sheet

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BISCO® EC2265 Electrically Conductive Solid

BISCO® EC2265 Electrically Conductive Grade solid silicone is a carbon black filled silicone material that will act as a low amperage conductor and provides protection against electrostatic discharge.

PROPERTY	TEST METHOD	TYPICAL PROPERTY
PHYSICAL		
Description		**EC2265**
Color	Visual	Black
Surface Finish	Visual	Glossy Smooth
Thickness, mm (inches)	Internal	0.5 - 6.35 (0.020 - 0.250)
Width, mm (inches)		914 (36)
Specific Gravity, g/cc	ASTM D297	1.17
Electrical Conductivity Ohm●cm	ASTM D991	5
Durometer, Shore A	ASTM D2240	65 ± 5
Tensile Strength, MPa (psi)	ASTM D412	5.2 (754)
Elongation, %	ASTM D412	260
Tear Resistance, Kn/m (ppi)	ASTM D624	8 (46)
Compression Set, %	ASTM D395 150°C (302°F) / 70 hrs / 25%	26
Temperature Range, C° (F°)	Internal	-62 to 225 (-80 to 437)

Specifications

1. Typical Value - Value is based on historical data, please note the frequency of testing varies. These are for information only and should not be used for specification development.
2. Standard material comes talc free for a cleaner product, to add adhesives or other substrates.

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Standard Thickness Tolerances and Roll Length

NOMINAL THICKNESS	TOLERANCE	STANDARD ROLL LENGTH
mm (inches)	mm (inches)	m (lf)
0.79 (0.031)	± 0.127 (± 0.005)	13.3 (40)
1.60 (0.063)	± 0.165 (± 0.007)	13.3 (40)
2.39 (0.094)	± 0.254 (± 0.010)	13.3 (40)
3.18 (0.125)	± 0.432 (± 0.017)	13.3 (40)
4.78 (0.188)	± 0.560 (± 0.022)	9.1 (30)
6.35 (0.250)	± 0.560 (± 0.022)	9.1 (30)

Slit Material and Tape (PSA) Width Tolerances

NOMINAL WIDTH	TOLERANCE
mm (inches)	mm (inches)
> 0 - 76 (> 0 - 3)	± 1.60 (± 0.063)
> 76 - 203 (> 3 - 8)	± 2.39 (± 0.094)
> 203 - 305 (> 8 - 12)	± 3.18 (± 0.125)
> 305 - 610 (> 12 - 24)	± 4.78 (± 0.188)
> 610 - 914 (> 24 - 36)	+ 25.4/- 0 (+ 1/- 0)

VALUE ADDED OFFERINGS

- Acrylic Adhesive (PSA) lamination - nonconductive

- All metric conversions are approximate. Reference US customary units for official values and tolerances.
- Additional technical information is available.
- Values should not be used for specification limits.