



3M™ Electrically Conductive Single-Sided Tape 1050TC Series

3M™ Electrically Conductive Gasket Tape MSG6000F Series consists of a conductive fabric, highly conductive grey foam and black pressure sensitive adhesive (PSA). It offers excellent grounding performance between substrates and also has high EMI shielding performance. The PSA tack properties make 3M tape MSG6000F series easy to use in assembly operations and offers good adhesion to common metal such as copper, aluminum, stainless steel and smooth conductive substrates. 3M tape MSG6000F series is typically used in applications that require good conductivity, compressibility and resilience. This tape series will help secure a reliable conductive connection for ESD grounding or form a close conductive enclosure to achieve good EMI shielding performance. 3M tape MSG6000F series is effective for EMI shielding over a wide range of frequencies from several tens of megahertz to tens of gigahertz. This tape series is a great solution for many mobile handheld devices, including mobile phones, portable digital cameras, and laptops, that need grounding reinforcement or better shielding. 3M™ Electrically Conductive Gasket Tape MSG6000F Series has three thickness options. The standard width is 400mm. Please contact 3M to review custom width and length options.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

Electrically Conductive Single-Side Tape

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color	-	-	Copper
Conductive Adhesive Type	-	-	Acrylic Conductive Adhesive
Release Liner	-	-	Transparent PET release liner
Thickness			
3M tape 1050TC-30	ASTM method D1000	mm	0.026 mm
3M tape 1050TC-25			0.023 mm
3M tape 1050TC-20			0.018 mm
3M tape 1050TC-18			0.016 mm
3M tape 1050TC-15			0.014 mm
180° Peel Adhesion			
3M tape 1050TC-30	ASTM method D1000	gf/in	1100 gf/inch
3M tape 1050TC-25			1200 gf/inch
3M tape 1050TC-20			1200 gf/inch
3M tape 1050TC-18			1100 gf/inch
3M tape 1050TC-15			1000 gf/inch
Electrical Resistance through Adhesive	3M test method ETM-7	ohms	0.015