



95005, 95010 Impact Resistant Adhesive Transfer Tapes

(Field tested as NPE-1284-050, NPE-1284-100)

Technical Data

February 2019

Product Description 3M™ 95005 and 95010 are black pressure sensitive adhesives used for bonding a wide range of materials in the electronics industry. These 50 and 100 µm tapes provide superior impact resistance to meet industry drop test requirements and have high bond strength while providing good conformability and removability.

Typical Applications: bonding of various electronic components (e.g., display, battery, speaker, keyboard, trackpad, camera lens, antenna, FPC, etc.)

Product Construction	Adhesive:	Modified Acrylic
	Thicknesses:	95005 0.050 mm (0.004 in) 95010 0.100 mm (0.002 in)
	Liners:	Clear PET Liner 1: 0.050 mm (0.0020 in) Clear PET Liner 2: 0.030 mm (0.0012 in)
	Tape Color:	Black

Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Peel Adhesion:	95005	55 N/100mm (3.1 lb/in)
Stainless Steel 20 Min Dwell	95010	70 N/100mm (4.0 lb/in)
Peel Adhesion:	95005	100 N/100mm (5.7 lb/in)
Stainless Steel 72 Hr Dwell	95010	105 N/100mm (6.0 lb/in)
Peel Adhesion:	95005	95 N/100mm (5.4 lb/in)
Polycarbonate 72 Hr Dwell	95010	95 N/100mm (5.4 lb/in)

Available Sizes

Standard Length:	100 m (109 yd)
Maximum Width:	95005 590 mm (23.2 in) 95010 570 mm (22.4 in)
Core Size ID:	76.2 mm (3 in)

Application Guidelines For maximum bond strength the surfaces should be thoroughly cleaned with a 50:50 mixture of isopropyl alcohol and water. Consult manufacturer's directions for use and precautions when using cleaning solvents. Ideal tape application is accomplished when temperature is between 21°C and 38°C (between 70°F and 100°F) and the bond is allowed to dwell 72 hours. Initial tape application to surfaces at temperatures below 10°C (50°F) is not recommended.

Shelf Life 24 months from date of manufacture when stored at 4°C to 38°C (40°F to 100°F) and 0-95% relative humidity. The optimum storage conditions are 22°C (72°F) and 50% relative humidity.

Technical Information The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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