



3M™ Adhesive Transfer Tape F9473PC

3M™ VHB™ Adhesive Transfer Tape F9473PC utilizes the 3M™ High Performance Acrylic Adhesive 100MP, which has excellent long term holding power with much higher adhesion strength than typical pressure sensitive adhesive systems. This 3M™ VHB™ Adhesive Transfer Tape is transparent and is ideal for use in many interior and exterior industrial applications to replace rivets, spot welds, liquid adhesives, and other permanent fasteners.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

3M™ Adhesive Transfer Tape F9473PC

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Adhesive Type		-	Acrylic
Density		g/cm ³ lb/in ³	1.012 0.04
Liner Thickness		mm mil	0.1 4
Total Tape Thickness	ASTM D3652	mm mil	0.26 10
Liner		-	58# Polycoated Kraft Paper (PCK)
Liner Print		-	3M VHB
180° Peel Adhesion	ASTM D3330	n/cm oz/in	15.8 144
Short Term Temperature Resistance		°C °F	260 500
Long Term Temperature Resistance		°C °F	149 300
Overlap Shear Strength	ASTM D1002, ISO 4587	kpa lb/in ²	550 80
Normal Tensile	ASTM D897	kpa lb/in ²	690 100
Total Mass Loss	ASTM E595-77/84/90	%	1.23
Volatile Condensible Materials	ASTM E595-77/84/90	%	0.01
Note		-	The testing was done per ASTM E595-77/84/90 as indicated in the NASA Reference Publication 1124, Revision 4, "Outgassing Data for Selecting Spacecraft Materials", June 1997. The results are reported as percentage of total mass loss (TML) and percentage of Volatile Condensible Materials (VCM), respectively, as shown below.

3M™ Adhesive Transfer Tape F9473PC

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Additional Test Notes		-	3M™ VHB™ Adhesive Transfer Tapes F9460PC, F9469PC, and F9473PC are made from the same adhesive system and are thermoplastic in nature, becoming softer as temperature increases and firmer as temperature decreases. As the adhesive becomes firmer, the adhesion performance generally increases. At low temperatures (lower than -40°F [-40°C]), the 3M™ VHB™ Adhesive Transfer Tape becomes very firm and glassy. 3M™ VHB™ Adhesive Transfer Tapes F9460PC, F9469PC, and F9473PC are made from the same adhesive system and are thermoplastic in nature, becoming softer as temperature increases and firmer as temperature decreases. As the adhesive becomes firmer, the adhesion performance generally increases. At low temperatures (lower than -40°F [-40°C]), the 3M™ VHB™ Adhesive Transfer Tape becomes very firm and glassy.
Solvent Resistance		-	No apparent degradation when exposed to splash testing of many common solvents and fluids including gasoline, JP-4 fuel, mineral spirits, motor oil, ammonia cleaner, acetone and methyl ethyl ketone. (3 splash testing cycles: 20 seconds submersion, & 20 seconds air dry.)
UV Resistance		-	Excellent UV resistance through outdoor weathering tests and weather-O-meter tests.
Thermal Conductivity	ASTM C177	w/m/k	0.16
Dielectric Strength - 23 °C (73 °F)	ASTM D149	v	5,500
Insulation Resistance	ASTM D1000	MΩ/in ²	> 1 × 10 ⁶
Normal Slitting Tolerance		mm in	0.8 1/32