



3M™ Double Coated Tape 93005LE

3M™ 93005LE is a 50µm Double Coated Polyester Tape featuring 3M™ Type 300LSE Acrylic Adhesive. Performance features include superior adhesion to Polypropylene, great resistance to consumer chemicals and excellent holding power. 3M type 300LSE acrylic adhesive has a long history of successfully bonding a wide variety of similar and dissimilar materials such as metals, most plastics, glass, papers, and painted surfaces.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

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PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Adhesive Carrier		-	Transparent Polyester Film
Adhesive Type		-	300LSE Acrylic
Adhesive Thickness	Faceside	mm mil	0.019 0.75
Carrier Thickness		mm mil	0.012 0.5
Adhesive Thickness	Backside	mm mil	0.019 0.75
Total Tape Thickness	ASTM D3652	mm mil	0.05 1.97
Total Thickness with Liner		mm mil	0.314 12.4
Liner Print		-	300LSE
Primary Liner Type		-	Polycoated Kraft
Secondary Liner Type		-	Polycoated Kraft
Primary Liner Thickness		mm mil	0.107 4.2
Secondary Liner Thickness		mm mil	0.157 6.2
Short Term Temperature Resistance		°F °C	300 149
Long Term Temperature Resistance		°F °C	200 93
Overlap Shear Strength	ASTM D1002, ISO 4587	n/mm ² lb/in ²	1.084 157.2
Impact Shear Strength	ASTM D950	j/in ²	1.545
Tensile Strength	ASTM D897	n/mm ² lb/in ²	1.099 159.4

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180° Peel Adhesion DWELL TIME	SUBSTRATE	UNIT	VALUE
20 min	Stainless Steel	n/cm oz/in	7.7 70.4
72 h	ABS	n/cm oz/in	6.19 56.6
72 h	High Density Polyethylene (HDPE)	n/cm oz/in	3.76 34.4
72 h	Polypropylene (PP)	n/cm oz/in	7.74 70.7
72 h	Stainless Steel	n/cm oz/in	8.8 80
72 h	Polycarbonate (PC)	n/cm oz/in	10.4 95
72 h	Polypropylene (PP)	n/cm oz/in	2.7 25
72 h	Stainless Steel	n/cm oz/in	8.24 75.3