



Double Coated Tape

93005LE

Technical Data

April 2015

Product Description 3M™ Double Coated Tape 93005LE is a double sided polyester tape featuring 3M™ High Strength Acrylic Adhesive 300LSE. Performance features include good resistance to consumer chemicals and excellent anti-lifting properties. The 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.

Product Construction A Double Coated Polyester Tape featuring 3M™ High Strength Acrylic Adhesive 300LSE and two Polycoated Kraft Release Liners.

Layer	Type	Thickness	
Release Liner 1	Polycoated Kraft	107 μ	4.2 mils
Adhesive - Faceside	300LSE Acrylic	19 μ	0.75 mils
Polyester Film	Transparent	12 μ	0.50 mils
Adhesive - Backside	300LSE Acrylic	19 μ	0.75 mils
Release Liner 2	Polycoated Kraft	157 μ	6.2 mils
Total Thickness: (including liners)		314 μ	12.4 mils
Total Thickness (without liners)		50 μ	1.97 mils

Notes: All tolerances +/- 10%

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

Property	Substrate	Dwell/Rate	Value	Units	Value	Units
Faceside Adhesive Peel Adhesion @ 180° ASTM D3330	Stainless Steel Stainless Steel	20 min @ RT	0.618	N/mm	56.5	oz/in
		72 hrs @ RT	0.790	N/mm	72.2	oz/in
Backside Adhesive Peel Adhesion @ 180° ASTM D3330	Stainless Steel Stainless Steel	20 min @ RT	0.770	N/mm	70.4	oz/in
		72 hrs @ RT	0.824	N/mm	75.3	oz/in
		ABS Polypropylene HDPE	72 hrs @ RT 72 hrs @ RT 72 hrs @ RT	0.619 0.774 0.376	N/mm N/mm N/mm	56.6 70.7 34.4
Dynamic Shear ASTM D1002	Stainless Steel	10mm/min	1.084	N/mm ²	157.2	psi
Tensile Strength ASTM D897	Stainless Steel	10mm/min	1.099	N/mm ²	159.4	psi
Impact Shear Strength ASTM D950	25x25mm Puck	Pendulum Impact	1.545	J		

Notes: Adhesion is by ASTM D3330 method with exceptions as noted
 Stainless Steel substrate unless otherwise noted
 Adhesive backer is 2 mil Polyester Film

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Technical Information

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ISO 9001

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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