

Premium White Poly Mailers

TUFFlex™ White Poly Mailers come with the industry's most secure closure and quality bag construction. Made with a durable, co-extruded polyethylene film, TUFFlex Mailers are puncture, tear and water resistant. These white opaque mailing envelopes withstand the rigors of shipping and handling, and help provide savings on postage.

Features:

- Water resistant
- Puncture resistant
- Excellent opacity
- Easy to write on surface
- Accept stamps and labels
- Easy peel and seal adhesive closure
- Provide cost effective shipping

Property	ASTM Test Method	Value
Gauge	D-2103	2.5 Mil
Slip Inside & Outside	D-1894	65-105 f-grams
Coefficient of Friction (Kinetic) Inside & Outside	D-1894	0.325-0.525 f-grams/200
Tensile Strength/ Ultimate Load MD	D-882	3888 psi
Tensile Strength/ Ultimate Load TD	D-882	3475 psi
Elongation MD	D-882	712.195 %
Elongation TD	D-882	726.815 %
1% Secant Modulus MD	D-882	37730 psi
1% Secant Modulus TD	D-882	43800 psi
Elmendorf Tear MD	D-1922	907 grams
Elmendorf Tear TD	D-1922	1699 grams
Dart Drop (Impact)	D1709-09	420 grams
Opacity	N/A	≥90 %

TUFFlex™

tufflexpackaging.com

1000 Abernathy Rd NE | Bldg 400, Suite 1700
Atlanta, GA 30328 | USA | 1 844-VERITIV

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Performance Gray Poly Mailers

TUFFlex™ Gray Poly Mailers come with the industry’s most secure closure and quality bag construction. Made with a durable, co-extruded polyethylene film, TUFFlex Mailers are puncture, tear, and water resistant. These gray/black opaque mailing envelopes withstand the rigors of shipping and handling, and help provide savings on postage.

Features:

- Film: 3 layer LLDPE film
- Adhesive: Pressure sensitive hot melt adhesive
- Side seals: Heat sealed
- Closure: Anti-static BOPP release liner

Property	Test Description		Film	Units	ASTM Method
Gauge			2.0	Mil	D-2103
Slip	Inside	The test is used to determine the kinetic (moving) and static (starting) resistance of one surface being dragged across another.	50-75	f-grams	D-1894
	Outside		50-75	f-grams	
Coefficient of Friction (Kinetic)	Inside		.25-.375	f-grams/ 200	
	Outside		.25-.375	f-grams/ 200	
Tensile Strength/ Ultimate Load	MD	Tensile tests measure the force required to break a specimen and the extent to which the specimen stretches or elongates to that breaking point. Tensile tests produce a stress-strain diagram, which is used to determine tensile modulus.	3653	psi	D-882
	TD		2609	psi	
Elongation	MD		564	%	
	TD		579	%	
1% Secant Modulus	MD		25560	psi	
	TD		41870	psi	
Elmendorf Tear	MD	A pendulum impact tester is used to measure the force required to propagate an existing slit a fixed distance to the edge of the test sample.	428	grams	D-1922
	TD		3200	grams	
Dart Drop (Impact)	Falling dart impact is a traditional method for evaluating the impact strength or toughness of a plastic film. This test uses a single dart configuration and a single drop height, while varying the weight of the dart.		350	grams	D1709-09
Opacity			≥90.00	%	



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