



MSD Sheet 736MPET

Metalized Polyester Film



Description

736MPET is a Metalized polyester film. It combines high strength and durability, good dimensional stability and excellent chemical resistance.

Performance

736MPET provides a unique balance between clarity and handling characteristics. A Polyester film, that is metallized on both sides or one side. It is used in a wide variety of end uses, such as labels, copier belts and drafting film.

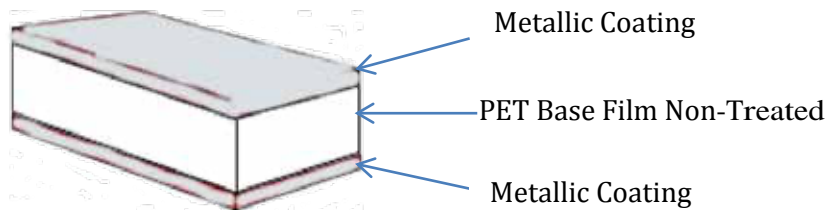
FDA Status

The plain sides of 736MPET can be used for direct food contact applications subject to limitations found in 21 CFR 177.1630 and in accordance with good manufacturing practices. For more information, contact your RDM Polyester Film Sales Representative.

Benefits

- Good handling characteristics
- Good clarity
- Good dimensional stability
- Metalizable
- Dye-able
- Available Gauges:
48, 92, 142, 200, 300, 400, 500, 700
- Mirrored Metallic Surface

Schematic of 736MPET





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TYPICAL PROPERTIES

The RDM 736MET property values below are typical measurements. Further guidance on series selection, functional behavior by end use, film processing, standard roll configuration and gauges is available through a RDM Film Sales Representative.

Property	Units of Measure		Typical Values					Test Method
PHYSICAL								
	Thickness	Micron (Gauge)	12.5 (50)	25 (100)	50 (200)	100 (400)	125 (500)	
Area Yield		in ² /lb	39,700	19,800	9,850	4,870	3,880	ASTMD 4321
OPTICAL								
Optical Density*		%	2.4	2.4	2.4	2.4	2.4	ASTMD 1003
Metalization Thickness		Angstroms	480	480	470	460	450	ASTMD 1003
MECHANICAL								
Tensile Strength	MD	psi	25,600	25,600	25,600	25,600	25,600	ASTMD 882
	TD	psi	25,600	25,600	25,600	25,600	25,600	ASTMD 882
Ultimate Elongation	MD	%	100	110	110	110	110	ASTMD 882
	TD	%	100	100	100	110	110	ASTMD 882
Coefficient of Friction Side- A/B (Max)	Static	--	0.40	0.40	0.40	0.40	0.40	ASTMD 1894
	Kinetic		0.36	0.36	0.36	0.36	0.36	ASTMD 1894
THERMAL								
Shrinkage 30 min. at 150°C (Max)	MD	%	2.0	2.0	2.0	2.0	2.0	ASTMD 1204
	TD	%	1.5	1.5	1.5	1.5	1.5	ASTMD 1204
ELECTRICAL								
Breakdown Voltage		KV/inch	15	17	20	22	26	ASTMD 149
Sheet Resistivity		Ohm	1.8	1.8	1.8	1.8	1.8	ASTMD 256

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. RDM Industries suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.