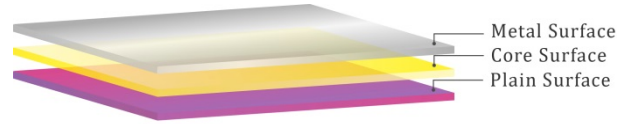


## Hot Stamping Grade Metallize Film (M-SS)



**KEY FEATURES-** SPARSHPET –M-SS is Bi-axially oriented vacuum metallized film with smooth surface and high gloss, high temperature resistance film one side metal surface and other side plain.

**APPLICATIONS–** Film is suitable for Metallize transfer/release application used as security envelope, making wrappers, transfer Metallized paper and hot stamping foil application.

TECHNICAL DATA SHEET						
Properties		Unit	Test Method	Typical Values		
<b>General</b>						
Thickness		Micron	SIPL	12±0.3	15±0.3	23±0.4
Yield		M <sup>2</sup> /Kg	SIPL	59.5	47.6	31.0
<b>Optical</b>						
Optical Density (Tolerance +/-5%)			SIPL	2.2	2.2	2.2
<b>Mechanical</b>						
Tensile Strength (Min)	MD	Kg/cm <sup>2</sup>	ASTM-D 882	2000	2000	2000
	TD			1900	1900	1900
Elongation	MD	%	ASTM-D 882	120±20	120±20	120±20
	TD			120±20	120±20	120±20
<b>Surface</b>						
Surface Tension (Min)	Corona side	Dyne/cm	ASTM-D 2578	52	52	52
Coefficient of Friction(COF)	-	Static/Dynamic	ASTM-D 1894	0.42/0.33	0.42/0.33	0.42/0.33
<b>Thermal</b>						
Shrinkage @ 190° C/5'	MD	%	ASTM-D 1204	3.5±0.5	3.5±0.5	3.5±0.5
	TD			-0.2±0.2	-0.2±0.2	-0.2±0.2
<b>Barrier</b>						
MVTR (38 °C/ 90% RH)		g/m <sup>2</sup> /day	ASTM F-1249	<1.0	<1.0	<1.0
Oxygen Permeability (25 °C/ 0 % RH)		cc/m <sup>2</sup> /day	ASTM D 3985-95	<1.0	<1.0	<1.0

**Disclaimer:** The data sheet information is to the best of our knowledge and experience. Some values may be customized wherever possible, as per the customer's requirement. Sparsh Industries Pvt. Ltd makes no warranty to the product fitness for any specific use. Data sheet is purely for reader's consideration and verification for sale or contract.

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