

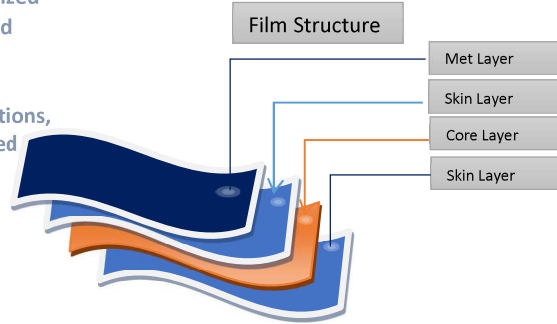
## Technical Data Sheet – D-ISU-M2

**Product Description** – D-ISU-M2 is Normal OD Metallized BOPET film. Metallization done on untreated Side and other side of the film is untreated.

**Applications** – Suitable for flexible packaging applications, lamination and decorative packing. Specially designed for lidding and label application.

**Salient Features –**

- Standard Optical Density
- Good metal bond strength
- High Gloss
- Isotropic properties



### Typical Technical Details - D-ISU-M2

Properties		Test Method	Unit	Values							
<b>Physical</b>											
Thickness		ASTM D374	Micron	8	10	12	15	19	23	30	36
Density		-	Gm/cc	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Grammage		-	Gms	11.2	14	16.8	21	26.6	32.2	42	50.4
Yield		-	M <sup>2</sup> /Kg	89.3	71.4	59.5	47.6	37.5	31	23.8	19.8
<b>Optical</b>											
Optical Density		By Tobias Make Instrument	-	2.2± 5%	2.2± 5%	2.2± 5%	2.2± 5%	2.2± 5%	2.2± 5%	2.2± 5%	2.2± 5%
<b>Mechanical</b>											
Tensile Strength	MD	ASTM D-882	Kg/cm <sup>2</sup>	2000	2000	2000	2000	1900	1900	1900	1900
	TD			1900	1900	1900	1900	1800	1800	1800	1800
Elongation	MD	ASTM D-882	%	90	90	90	90	90	90	90	90
	TD			90	90	90	90	90	90	90	90
Coefficient of friction	Dy.	ASTM D1894	-	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
<b>Thermal</b>											
Shrinkage 150°C/30 Min.	MD	ASTM D1204	%	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
	TD			0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
<b>Surface</b>											
Wetting Tension	Metal	ASTM D2578	Dyne/cm	54	54	54	54	54	54	54	54
<b>Barrier</b>											
Water Vapour Transmission Rate (38°C & 90% RH)		ASTM E398	Gms/m <sup>2</sup> /day	1.5	1.2	1.0	1.0	0.9	0.9	0.8	0.8
Oxygen Gas Transmission Rate (23°C & 0% RH)		ASTM D3985	CC/m <sup>2</sup> /day	2.0	1.5	1.2	1.2	1.2	1.0	1.0	1.0

**Storage and Handling:** D-ISU-M2 needs to be stored in a closed warehouse below 35°C temperature and should not be exposed to direct sunlight, light sources and humidity. If the material is stored in the recommended conditions, it is suitable for use within 06 months from the date of shipment. Although it is a tough film, any kind of external pressure or shock can damage the film roll. Therefore, it is recommended to move the film roll with the help of proper equipment only.

**Food Grade Compliance:**

Dhunseri BOPET Films complies with EU and FDA regulations on plastic materials used for food grade applications. Any other documents and MSDS are available on demand.

**Disclaimer:** The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values given in this data sheet are based on experience and machine specification. However, we expect it that actual values will to be very similar to the given values. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. Dhunseri Poly Films Private Limited suggests the customer to confirm these values and product compatibility prior to their use. Dhunseri Poly Films provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheet. Dhunseri Poly Films reserves the right to change the technical data sheet at any time without prior notice.

**Works:** M/S Dhunseri Poly Films Pvt. Ltd.,  
Panagarh Industrial Park, Plot No. A 26/27, Panagarh, Distt: Burdhan,  
West Bengal, PIN: 713148