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TECHNICAL DATA SHEET OPP FILMS

**TRANSPARENT NON HEAT SEALABLE
UNTRETED RELEASE**

JS12/15/18/20/25/30/35N0

STRUCTURAL CONFIGURATION



-- **UNTREATED SKIN**

-- **TRANSPARENT CORE**

-- **UNTREATED SKIN**

APPLICATIONS :

RELEASE LINER FOR DECORATIVE LAMINATES

DESCRIPTION :

Transparent, Non Heat Sealable, Untreated, High Glossy OPP Film with Excellent Clarity and Antistatic Property for use in Release Lining Application for Decorative Laminate Manufacturing. The surface of the film is specifically designed for providing very easy release between the decorative laminates as well as protecting the laminate surface for developing scratches during crosslinking stage.

SALIENT FEATURES :

- High Surface Gloss
- Excellent Antistatic Characteristics
- Moderate Slip
- Very Good Smooth Surface for Protecting Scratches on Laminates
- Untreated Surface for Preventing Sticking Between Laminates
- Excellent Dimensional Stability

TECHNICAL DATA										
PROPERTIES	TEST METHOD	UNIT	JS12N0	JS15N0	JS18N0	JS20N0	JS25N0	JS30N0	JS35N0	
PHYSICAL										
Thickness	ASTM D 374	Micron	12	15	18	20	25	30	35	
Grammage	JPFTM	gm/m ²	10.9	13.5	16.4	18.2	22.7	27.3	31.8	
Yield	JPFTM	m ² /kg	91.5	74.0	60.5	55.0	44.0	36.6	31.4	
SURFACE										
Treatment Level (Min)	ASTM D 2578	dyne/cm	-	-	-	-	-	-	-	
OPTICAL										
Haze (Max)	ASTM D 1003	%	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Gloss (Min) at 45° Angle	ASTM D 2457	-	95	95	95	95	95	95	95	
MECHANICAL										
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
		Kinetic	0.38	0.38	0.38	0.38	0.38	0.38	0.38	
Tensile Strength (Min)	ASTM D 882	kg/cm ²	MD	1300	1350	1400	1400	1500	1500	1500
			TD	2500	2550	2650	2650	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm ²	MD	17000	17500	18000	18000	19000	19000	19000
			TD	28000	28500	29000	29000	30000	30000	30000
Elongation (Max)	ASTM D 882	%	MD	160	160	150	150	150	150	150
			TD	60	60	50	50	50	50	50
THERMAL										
Shrinkage (Max) at 120°C / 5 min	JPFTM	%	MD	4.0	3.5	3.5	3.5	3.5	3.5	3.5
			TD	2.0	1.5	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	-	-	-	-	-	-	-	
Sealing Strength (Min) at 120°C / 2 Bar	JPFTM	gms/25mm	-	-	-	-	-	-	-	
BARRIER										
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h	8.5	7.5	6.5	5.5	4.5	3.5	3.0	
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	2200	2050	1850	1750	1600	1550	1500	

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. JINDAL POLY FILMS LIMITED suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accept any responsibility for the fitness of the product for any particular use.