Cellophane™ 500MS

Regenerated Cellulose

Innovia Films Ltd.

Message:

Regenerated cellulose film (RCF), coated on both sides with nitrocellulose by a solvent process.

General Information			
Features	Antistatic		
	Biodegradable		
	Deadfold and Twist Retention		
	Flavor & Aroma Barrier		
	Gas Barrier		
	Grease Resistant		
	Heat Sealable		
	High Clarity		
	High Gloss		
	Moisture Barrier		
	Oil Resistant		
	Renewable Resource Content		
Uses	Film		
	Packaging		
	Tape		
Agency Ratings	EU 2004/19/EC		
Appearance	Clear/Transparent		
	Colors Available		
Forms	Film		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.20		
vs. Itself - Static	0.25		
Films	**Nominal Value**	**Unit**	**Test Method**
Secant Modulus			ASTM D882
1% Secant, MD : 35 µm	> 3000	MPa	
1% Secant, TD : 35 µm	> 1500	MPa	
Tensile Strength			ASTM D882
MD : Yield,35 µm	125	MPa	
TD : Yield,35 µm	70.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 35 µm	22	%	
TD : Break, 35 µm	70	%	
Seal Strength [1]	1.8	N/mm	Internal Method
Seal Initiation Temperature [2] (35 µm)	90.0 to 160	°C	Internal Method
Oxygen Transmission Rate (Wet) [3] (23°C, 35 µm, 0.0% RH)	3.00	$cm^3/m^2/24$ hr	ASTM F1927
Water Vapor Transmission [4]	20	$g/m^2/24$ hr	ASTM E96
Film Gauge	34.7	µm	Internal Method
Yield (34.7 µm)	20.0	m^2/kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 34.7 µm)	90		ASTM D2457
Haze [5] (34.7 µm)	4.0	%	ASTM D1003

NOTE	
1.	g(f)/38mm, 135°C, 0.5 secs, 69 kN/m^2
2.	0.5s dwell, 69 kN/m^2
3.	RH: 0 to 5%
4.	38°C, 90%RH
5.	2.5° wide angle

Recommended distributors for this material

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