

Cellophane™ 600MS

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 : 42 µm	> 3000	MPa	
1% Secant, TD : 42 µm	> 1500	MPa	
Tensile Strength			ASTM D882
MD : Yield,42 µm	125	MPa	
TD : Yield,42 µm	70.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 42 μm	22	%	
TD : Break, 42 μm	70	%	
Seal Strength ¹	1.8	N/mm	Internal Method
Seal Initiation Temperature ² (42 μm)	90.0 to 160	$^{\circ}\text{C}$	Internal Method
Oxygen Transmission Rate (Wet) ³ (23 $^{\circ}\text{C}$, 42 μm , 0.0% RH)	3.00	$\text{cm}^3/\text{m}^2/24 \text{ hr}$	ASTM F1927
Water Vapor Transmission ⁴	20	$\text{g}/\text{m}^2/24 \text{ hr}$	ASTM E96
Film Gauge	41.7	μm	Internal Method
Yield (41.7 μm)	16.7	m^2/kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45 $^{\circ}$, 41.7 μm)	90		ASTM D2457
Haze ⁵ (41.7 μm)	4.0	%	ASTM D1003
NOTE			

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| 1. | g(f)/38mm, 135 $^{\circ}\text{C}$, 0.5 secs, 69 kN/m ² |
| 2. | 0.5s dwell, 69 kN/m ² |
| 3. | RH: 0 to 5% |
| 4. | 38 $^{\circ}\text{C}$, 90%RH |
| 5. | 2.5 $^{\circ}$ wide angle |

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