

Cellophane™ XS440

Regenerated Cellulose

Innovia Films Ltd.

Message:

Regenerated cellulose film (RCF), coated on both sides with polyvinylidene (PVdC) copolymer 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		
	PVdC Coated		
	Renewable Resource Content		
Uses	Film		
	Food Packaging		
	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 : 31 µm	> 3000	MPa	
1% Secant, TD : 31 µm	> 1500	MPa	
Tensile Strength			ASTM D882

MD : Yield,31 μm	125	MPa	
TD : Yield,31 μm	70.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 31 μm	22	%	
TD : Break, 31 μm	70	%	
Seal Strength ¹	2.2	N/mm	Internal Method
Seal Initiation Temperature ² (31 μm)	100 to 160	$^{\circ}\text{C}$	Internal Method
Oxygen Transmission Rate (Wet) ³ (23 $^{\circ}\text{C}$, 31 μm , 0.0% RH)	3.00	$\text{cm}^3/\text{m}^2/24 \text{ hr}$	ASTM F1927
Water Vapor Transmission ⁴	10	$\text{g}/\text{m}^2/24 \text{ hr}$	ASTM E96
Film Gauge	30.6	μm	Internal Method
Yield (30.6 μm)	22.7	m^2/kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45 $^{\circ}$, 30.6 μm)	105		ASTM D2457
Haze ⁵ (30.6 μm)	4.0	%	ASTM D1003
NOTE			

1.	$\text{g(f)}/38\text{mm}$, 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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