

# NatureFlex™ NE White

Regenerated Cellulose

Innovia Films Ltd.

## Message:

NatureFlex™ NE White is a Regenerated Cellulose product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.  
Typical application: Film.  
Characteristics include:  
Eco-Friendly/Green  
Chemical Resistant  
Clarity  
Good Sealability  
High Gloss

General Information			
Features	Antistatic		
	Biodegradable		
	Compostable		
	Deadfold and Twist Retention		
	Flavor & Aroma Barrier		
	Gas Barrier		
	Good Heat Seal		
	Grease Resistant		
	High Clarity		
	High Gloss		
	Moisture Barrier		
	Oil Resistant		
	Renewable Resource Content		
Uses	Film		
Agency Ratings	ASTM D 6400		
	EN 13432		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value		Test Method
Density - Optical	0.300		Internal Method
Film Gauge	23.1	µm	Internal Method
Yield (23.1 µm)	29.9	m²/kg	Internal Method
Mechanical	Nominal Value		Test Method
Coefficient of Friction <sup>1</sup> (vs. Itself - Dynamic)	0.30		ASTM D1894
Films	Nominal Value		Test Method
Secant Modulus			ASTM D882

1% Secant, MD : 23 $\mu\text{m}$	> 3000	MPa	
1% Secant, TD : 23 $\mu\text{m}$	> 1520	MPa	
Tensile Strength			ASTM D882
MD : Yield, 23 $\mu\text{m}$	124	MPa	
TD : Yield, 23 $\mu\text{m}$	68.9	MPa	
Tensile Elongation			ASTM D882
MD : Break, 23 $\mu\text{m}$	22	%	
TD : Break, 23 $\mu\text{m}$	70	%	
Seal Strength <sup>2</sup>	0.15	N/mm	Internal Method
Seal Initiation Temperature (23 $\mu\text{m}$ )	79.4 to 199	°C	Internal Method
Oxygen Transmission Rate (Wet) (24°C, 23 $\mu\text{m}$ , 0.0% RH)	3.10	$\text{cm}^3/\text{m}^2/24 \text{ hr}$	ASTM F1927
Water Vapor Transmission <sup>3</sup>	31	$\text{g}/\text{m}^2/24 \text{ hr}$	ASTM E96
Optical	Nominal Value		Test Method
Gloss (45°, 23.1 $\mu\text{m}$ )	55		ASTM D2457
NOTE			
1.	Thickness: 0.91 mil		
2.	Thickness: 0.91 mil		
3.	100°F, 90%RH, thickness: 0.91 mil		

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#### Recommended distributors for this material

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