

# NatureFlex™ 120 NE

Regenerated Cellulose

Innovia Films Ltd.

Message:

NatureFlex™ 120 NE 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		
	Oil Resistant		
	Renewable Resource Content		
Uses	Film		
Agency Ratings	ASTM D 6400		
	EN 13432		
Appearance	Clear/Transparent		
Forms	Film		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction <sup>1</sup> (vs. Itself - Dynamic)	0.30		ASTM D1894
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD : 30 µm	> 3000	MPa	
1% Secant, TD : 30 µm	> 1520	MPa	
Tensile Strength			ASTM D882
MD : Yield,30 µm	124	MPa	
TD : Yield,30 µm	68.9	MPa	

Tensile Elongation			ASTM D882
MD : Break, 30 μm	22	%	
TD : Break, 30 μm	70	%	
Seal Strength <sup>2</sup>	0.15	N/mm	Internal Method
Seal Initiation Temperature (30 μm)	79.4 to 199	°C	Internal Method
Oxygen Transmission Rate (Wet) (24°C, 30 μm, 0.0% RH)	3.10	cm <sup>3</sup> /m <sup>2</sup> /24 hr	ASTM F1927
Water Vapor Transmission <sup>3</sup>	31	g/m <sup>2</sup> /24 hr	ASTM E96
Film Gauge	30.0	μm	Internal Method
Yield (30.0 μm)	23.3	m <sup>2</sup> /kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 30.0 μm)	90		ASTM D2457
Haze <sup>4</sup> (30.0 μm)	6.0	%	ASTM D1003
NOTE			
1.	Thickness: 1.18 mil		
2.	Thickness: 1.18 mil		
3.	100°F, 90%RH, thickness: 1.18 mil		
4.	2.5° wide angle		

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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