

# NatureFlex™ 90 D-NE

Regenerated Cellulose

Innovia Films Ltd.

## Message:

NatureFlex™ 90 D-NE is a Regenerated Cellulose product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of NatureFlex™ 90 D-NE include coating applications and 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		
	Laminates		
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 : 22 µm	> 3000	MPa	
1% Secant, TD : 22 µm	> 1520	MPa	
Tensile Strength			ASTM D882

MD : Yield,22 μm	124	MPa	
TD : Yield,22 μm	68.9	MPa	
Tensile Elongation			ASTM D882
MD : Break, 22 μm	22	%	
TD : Break, 22 μm	70	%	
Seal Strength <sup>2</sup>	0.15	N/mm	Internal Method
Seal Initiation Temperature (22 μm)	79.4 to 199	°C	Internal Method
Oxygen Transmission Rate (Wet) (24°C, 22 μm, 0.0% RH)	2.95	cm <sup>3</sup> /m <sup>2</sup> /24 hr	ASTM F1927
Water Vapor Transmission <sup>3</sup>	50	g/m <sup>2</sup> /24 hr	ASTM E96
Film Gauge	22.1	μm	Internal Method
Yield (22.1 μm)	31.3	m <sup>2</sup> /kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 22.1 μm)	90		ASTM D2457
Haze <sup>4</sup> (22.1 μm)	6.0	%	ASTM D1003

#### NOTE

1. Thickness: 0.87 mil
2. Thickness: 0.87 mil
3. 100°F, 90%RH, thickness: 0.87 mil
4. 2.5° wide angle

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#### Recommended distributors for this material

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