

# NatureFlex™ NE30 (42μ)

Regenerated Cellulose

Innovia Films Ltd.

## Message:

NatureFlex™ NE30 (42μ) 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	Biodegradable		
	Compostable		
	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		
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 : 41 μm	> 3000	MPa	
1% Secant, TD : 41 μm	> 1500	MPa	
Tensile Strength			ASTM D882
MD : Yield,41 μm	125	MPa	
TD : Yield,41 μm	70.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 41 μm	22	%	
TD : Break, 41 μm	70	%	
Seal Strength <sup>2</sup>	0.16	N/mm	Internal Method
Seal Initiation Temperature (41 μm)	80.0 to 200	°C	Internal Method
Oxygen Transmission Rate (Wet) (23°C, 41 μm, 0.0% RH)	3.00	cm <sup>3</sup> /m <sup>2</sup> /24 hr	ASTM F1927
Water Vapor Transmission			
-- <sup>3</sup>	15	g/m <sup>2</sup> /24 hr	DIN 53122
-- <sup>4</sup>	15	g/m <sup>2</sup> /24 hr	BS 3177
-- <sup>5</sup>	30	g/m <sup>2</sup> /24 hr	ASTM E96
Film Gauge	41.3	μm	Internal Method
Yield (413 mm)	16.8	m <sup>2</sup> /kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 41.3 μm)	90		ASTM D2457
Haze <sup>6</sup> (41.3 μm)	6.0	%	ASTM D1003
NOTE			
1.	Thickness: 41.3μ		
2.	Thickness: 41.3μ		
3.	23°C, 85%RH, thickness: 41.3μ		
4.	25°C, 75%RH, thickness: 41.3μ		
5.	38°C, 90%RH, thickness: 41.3μ		
6.	2.5° wide angle		

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#### Recommended distributors for this material

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