

# NatureFlex™ NM (23μ)

Regenerated Cellulose

Innovia Films Ltd.

## Message:

NatureFlex NM is available with the metallised surface wound facing either the inside or the outside of the reel.

General Information			
Features	Antistatic		
	Biodegradable		
	Compostable		
	Deadfold and Twist Retention		
	Flavor & Aroma Barrier		
	Gas Barrier		
	Good Heat Seal		
	Good Surface Finish		
	Good UV Resistance		
	Grease Resistant		
	High Clarity		
	High Gloss		
	Light Barrier		
	Low Temperature Heat Sealability		
	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 (23.3 μm)	2.50		Internal Method
Film Gauge	23.3	μm	Internal Method
Yield (23.3 μm)	29.9	m <sup>2</sup> /kg	Internal Method
Mechanical	Nominal Value		Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic <sup>1</sup>	0.22		
vs. Itself - Dynamic <sup>2</sup>	0.40		
Films	Nominal Value	Unit	Test Method

Secant Modulus			ASTM D882
1% Secant, MD : 23 $\mu$ m	> 3000	MPa	
1% Secant, TD : 23 $\mu$ m	> 1500	MPa	
Tensile Strength			ASTM D882
MD : Yield, 23 $\mu$ m	125	MPa	
TD : Yield, 23 $\mu$ m	70.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 23 $\mu$ m	22	%	
TD : Break, 23 $\mu$ m	70	%	
Seal Strength <sup>3</sup>	2.7	N/mm	Internal Method
Oxygen Transmission Rate (Wet) <sup>4</sup> (38°C, 23 $\mu$ m, 2.5% RH)	3.00	cm <sup>3</sup> /m <sup>2</sup> /24 hr	ASTM F1927
Water Vapor Transmission <sup>5</sup>	10	g/m <sup>2</sup> /24 hr	ASTM E96

#### NOTE

1. Non-metallised surface, Thickness: 23.3  $\mu$
2. Metallised surface, Thickness: 23.3  $\mu$
3. Thickness: 23.3  $\mu$
4. 0 to 5% RH
5. 38°C, 90%RH, thickness: 23.3  $\mu$

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