

NatureFlex™ NE30 (19μ)

Regenerated Cellulose

Innovia Films Ltd.

Message:

NatureFlex™ NE30 (19μ) 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 ¹ (vs. Itself - Dynamic)	0.30		ASTM D1894
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD : 19 μm	> 3000	MPa	
1% Secant, TD : 19 μm	> 1500	MPa	
Tensile Strength			ASTM D882
MD : Yield,19 μm	125	MPa	
TD : Yield,19 μm	70.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 19 μm	22	%	
TD : Break, 19 μm	70	%	
Seal Strength ²	0.16	N/mm	Internal Method
Seal Initiation Temperature (19 μm)	80.0 to 200	°C	Internal Method
Oxygen Transmission Rate (Wet) (23°C, 19 μm, 0.0% RH)	3.00	cm ³ /m ² /24 hr	ASTM F1927
Water Vapor Transmission			
-- ³	15	g/m ² /24 hr	DIN 53122
-- ⁴	15	g/m ² /24 hr	BS 3177
-- ⁵	30	g/m ² /24 hr	ASTM E96
Film Gauge	19.4	μm	Internal Method
Yield (19.4 μm)	35.7	m ² /kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 19.4 μm)	90		ASTM D2457
Haze ⁶ (19.4 μm)	6.0	%	ASTM D1003
NOTE			
1.	Thickness: 19.4μ		
2.	Thickness: 19.4μ		
3.	23°C, 85%RH, thickness: 19.4μ		
4.	25°C, 75%RH, thickness: 19.4μ		
5.	38°C, 90%RH, thickness: 19.4μ		
6.	2.5° wide angle		

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