

NatureFlex™ 75 NE

Regenerated Cellulose

Innovia Films Ltd.

Message:

NatureFlex™ 75 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		
	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 : 20 µm	> 3000	MPa	
1% Secant, TD : 20 µm	> 1520	MPa	
Tensile Strength			ASTM D882
MD : Yield,20 µm	124	MPa	

TD : Yield,20 μm	68.9	MPa	
Tensile Elongation			ASTM D882
MD : Break, 20 μm	22	%	
TD : Break, 20 μm	70	%	
Seal Strength ²	0.15	N/mm	Internal Method
Seal Initiation Temperature (20 μm)	79.4 to 199	°C	Internal Method
Oxygen Transmission Rate (Wet) (24°C, 20 μm, 0.0% RH)	3.10	cm ³ /m ² /24 hr	ASTM F1927
Water Vapor Transmission ³	31	g/m ² /24 hr	ASTM E96
Film Gauge	19.6	μm	Internal Method
Yield (19.6 μm)	36.5	m ² /kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 19.6 μm)	90		ASTM D2457
Haze ⁴ (19.6 μm)	6.0	%	ASTM D1003
NOTE			
1.	Thickness: 0.77 mil		
2.	Thickness: 0.77 mil		
3.	100°F, 90%RH, thickness: 0.77 mil		
4.	2.5° wide angle		

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