

# RECLAIR® O 21010

Linear Low Density Polyethylene

Reliance Industries Limited

## Message:

Reclair O 21010, is an Octene comonomer based linear low density polyethylene with optimum level of antioxidant and polymer processing aid but without slip additive and antiblocking agent. This grade is designed for lamination film applications where good optical properties and adhesion to the substrate are required.

General Information			
Additive	Antioxidation		
Features	Optical		
	Antioxidation		
	Good adhesion		
Uses	Films		
	Laminate		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
With self-dynamics	0.50		ASTM D1894
With Self-Static	0.58		ASTM D1894
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield, 40 µm	12.5	MPa	ASTM D882
TD: Yield, 40 µm	13.0	MPa	ASTM D882
MD: Break, 40 µm	45.0	MPa	ASTM D882
TD: Break, 40 µm	40.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 40 µm	750	%	ASTM D882
TD: Break, 40 µm	950	%	ASTM D882
Dart Drop Impact (40 µm)	280	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 40 µm	550	g	ASTM D1922
TD : 40 µm	1100	g	ASTM D1922

Optical	Nominal Value	Test Method
Gardner Gloss (60°)	80	ASTM D523
Additional Information		

Film properties taken from 40µm blown film made with 2.5 mm die gap and a BUR of 2.25.

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#### Recommended distributors for this material

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