

RECLAIR® F 10820

Linear Low Density Polyethylene
Reliance Industries Limited

Message:

Reclair R 18020, is a Butene comonomer based linear low density polyethylene, with optimum levels of antioxidant and polymer processin aid, but without antiblock and withou slip additives. The grade is designed for manufacturing cast films, air bubble films and films for lamination applications.

General Information			
Uses	Films		
	Laminate		
	cast film		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield, 40 µm	12.5	MPa	ASTM D882
TD: Yield, 40 µm	12.0	MPa	ASTM D882
MD: Break, 40 µm	30.0	MPa	ASTM D882
TD: Break, 40 µm	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 40 µm	700	%	ASTM D882
TD: Break, 40 µm	800	%	ASTM D882
Dart Drop Impact (40 µm)	120	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 40 µm	80	g	ASTM D1922
TD : 40 µm	290	g	ASTM D1922
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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