

# RELENE® F22020

Linear Low Density Polyethylene

Reliance Industries Limited

## Message:

F22020 is a butene comonomer based Linear Low Density Polyethylene (LLDPE), with optimum levels of antioxidants, antiblocking agent and slip additive. The grade is designed to make blown film for general purpose applications and blending with LDPE.

General Information			
Additive	Antiblock		
	Antioxidant		
	Slip		
Features	Antiblocking		
	Antioxidant		
	Butene Comonomer		
	Food Contact Acceptable		
	General Purpose		
	Slip		
Uses	Blending		
	Film		
	General Purpose		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Blown Film		
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)	1.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic, Blown Film	0.16		
vs. Itself - Static, Blown Film	0.23		
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,40 µm, Blown Film	12.0	MPa	
TD : Yield,40 µm, Blown Film	11.5	MPa	
MD : Break, 40 µm,Blown Film	28.0	MPa	

TD : Break, 40 μm,Blown Film	25.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 40 μm,Blown Film	700	%	
TD : Break, 40 μm,Blown Film	800	%	
Dart Drop Impact (40 μm, Blown Film)	120	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 40 μm, Blown Film	96	g	
TD : 40 μm, Blown Film	300	g	

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