

Eleme NGL015FG

Linear Low Density Polyethylene
Eleme Petrochemical Company Ltd

Message:

NGL015FG is a Butene Co-monomer based Liner Low Density Polyethylene Resin manufactured by IEPL using "SCLAIRTECH" solution polymerisation process of DU Pont, Canada (Now Nova Chemicals) offers narrow molecular weight distribution copolymer without slip & antiblock additive which has been specifically designed for the production of high strength blown film of various thickness for multilayer, air bubble film & lamination film application.

General Information			
Features	Low speed solidification crystal point		
	Butene comonomer		
	High strength		
	Optical		
	Perforation resistance		
	Impact resistance, good		
	Good tear strength		
	Compliance of Food Exposure		
	Narrow molecular weight distribution		
Uses	Blown Film		
	Films		
	Laminate		
	Multilayer film		
	Stretch winding		
	Agricultural application		
Agency Ratings	FDA Food Exposure, Not Rated		
Appearance	Natural color		
Processing Method	Film extrusion		
	Blow film		
	Co-extruded film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.919	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield	12.5	MPa	ASTM D882
TD: Yield	12.0	MPa	ASTM D882
MD: Fracture	30.0	MPa	ASTM D882

TD: Fracture	25.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	700	%	ASTM D882
TD: Fracture	800	%	ASTM D882
Additional Information	Nominal Value	Unit	Test Method
Dart Impact	29.4	kN/m	ASTM D1709
Tear Strength			ASTM D1922
MD	19.6	kN/m	ASTM D1922
TD	71.6	kN/m	ASTM D1922

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

