

Eleme NGL010FY

Linear Low Density Polyethylene
Eleme Petrochemical Company Ltd

Message:

NGL010FY 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 with medium slip & antiblock additive which has been specifically designed for the production of high strength blown film of various thickness for multilayer & heavy duty bags.

General Information			
Additive	Anti-caking agent		
	Moderate caking resistance		
	Moderate smoothness		
	Moderate smoothness		
Features	Low speed solidification crystal point		
	Butene comonomer		
	High strength		
	Perforation resistance		
	Anti-caking property		
	Good tear strength		
	Narrow molecular weight distribution		
	Moderate caking resistance		
	Moderate smoothness		
Uses	Blown Film		
	Packaging		
	Films		
	Bags		
	Industrial application		
	Mixing		
	Heavy packing bag		
Appearance	Natural color		
Processing Method	Blow 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)	1.0	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	38.0	MPa	ASTM D882
TD: Fracture	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	650	%	ASTM D882
TD: Fracture	800	%	ASTM D882
Additional Information	Nominal Value	Unit	Test Method
Dart Impact	34.3	kN/m	ASTM D1709
Tear Strength			ASTM D1922
MD	32.4	kN/m	ASTM D1922
TD	101.0	kN/m	ASTM D1922

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