

# Eleme NGL300IG

Linear Low Density Polyethylene  
Eleme Petrochemical Company Ltd

Message:

NGL300IG is a Butene co-monomer based Linear Low Density Polyethylene Resin manufactured by IEPL using "SCLAIRTECH" solution polymerisation process of DU Pont, Canada (Now Nova Chemicals) designed for Injection Molding application. As a copolymer it offers excellent processability, impact resistance, outstanding flexibility and warpage resistance.

General Information			
Features	Rigid, good		
	Bending resistance		
	Impact resistance, good		
	Workability, good		
	Good flexibility		
	Narrow molecular weight distribution		
Uses	Composite		
	Cover		
	Industrial application		
	Shield		
	Household goods		
	Food packaging		
Shell			
Appearance	Natural color		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.925	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	11.0	MPa	ASTM D638
Tensile Elongation (Break)	900	%	ASTM D638
Flexural Modulus	325	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	700	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	104	°C	ASTM D1525

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#### Recommended distributors for this material

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