

Eleme NGL070LG

Linear Low Density Polyethylene
Eleme Petrochemical Company Ltd

Message:

NGL070LG 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 extrusion coating application. As a copolymer it offers excellent environmental stress crack resistance, tear strength, abrasion resistance, toughness, adhesion and sealing properties in a thin extrusion coating.

| General Information | | | |
|---|--|-------------------|-------------|
| Features | High ESCR (Stress Cracking Resistance) | | |
| | Impact resistance, good | | |
| | Workability, good | | |
| | Good tear strength | | |
| | Good wear resistance | | |
| | Good adhesion | | |
| | Good toughness | | |
| Uses | Foil Coatings | | |
| | Bags | | |
| | Composite | | |
| | Coating application | | |
| | Fabric coating | | |
| | Paper coating | | |
| Appearance | Natural color | | |
| Processing Method | Extrusion coating | | |
| | Coating | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.926 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 7.0 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 60 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 14.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 900 | % | ASTM D638 |
| Flexural Modulus | 375 | MPa | ASTM D790 |
| Coefficient of Friction | > 0.60 | | ASTM D1894 |
| Impact | Nominal Value | Unit | Test Method |
| Unnotched Izod Impact | 750 | J/m | ASTM D256 |

| Thermal | Nominal Value | Unit | Test Method |
|-----------------------------|---------------|------|-------------|
| Vicat Softening Temperature | 106 | °C | ASTM D1525 |

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