



m-LLDPE – Evolve™

By combining the unique metallocene-catalyst and gas-phase technologies, Prime Polymer has developed a very specialized form of ethylene-high- α -olefin (1-Hexene)-copolymer LLDPE in Evolve™ products.

EVOLVE Characteristics

Compared to conventional-catalyst LLDPE, Evolve™ demonstrates superior strength, clarity and heat-seal properties. This unique product provides an exceptional balance of physical properties and processability. Evolve™ is used extensively in the manufacture of various packaging materials.

EVOLVE Applications

Application	EVOLVE Properties
Lamination Film	High heat seal strength (through contamination), Excellent hot tack performance, High lamination strength, Low extractable components, Low blocking
Heavy Duty Bag	High impact strength & stiffness (down gauging), High puncture resistance, Seal integrity, Good seal through powder contamination
Stretch Film	High stretch ability, High puncture resistance, Optimized cling force, High clarity
Agricultural Film	High puncture resistance, High film clarity
Rotational Molding	Good mechanical property, High rigidity & toughness, Good environmental stress cracking resistance, Corrosion & chemical resistance
Tube	High environmental stress cracking resistance, Excellent heat seal performance, High gloss, Low extractable components
CV Cable	Heat resistance, High toughness, High tensile strength, High crosslinking degree
Resin Modifier	Improve the properties of LDPE and HDPE resins

ADVANCED POLYMER TRADING FZC

19th Floor, Festival Tower

Dubai Festival City , Dubai - UAE

Phone: +971 4 293 2608 Fax: +971 4 293 2525

Website : www.advanced-polymer.com



PRIME POLYMER

