

LUCENE™ LF575P

Polyolefin Elastomer

Applications

- General purpose thermoplastic elastomer for polymer modification
- Packaging Film, Photovoltaic encapsulant, Automotive interior/exterior and Shoe sole

Description

- LUCENE™ LF575P is an ethylene-1-butene copolymer produced using LG Chem's metallocene polymerization catalyst and solution process technology.
- LUCENE™ LF575P provides outstanding mechanical property for the manufacture of lamination and packaging film and excellent performance for compounded products.

Typical properties

Characteristics ⁽¹⁾	Test Method	Unit	Value
Physical			
Density	ASTM D1505	g/cm ³	0.876
MFR(190°C,2.16kg)	ASTM D1238	g/10min	5.0
Mechanical⁽²⁾			
Tensile Strength at Break	ASTM D638 ⁽³⁾	MPa	6.0
Elongation at Break	ASTM D638 ⁽³⁾	%	> 1000
Tear Strength	ASTM D624	kN/m	34
Flexural Modulus 1% Secant	ASTM D790	MPa	12
Shore hardness(Shore A)	ASTM D2240	-	72
Shore hardness(Shore D)	ASTM D2240	-	17
Thermal			
Melting Temperature	LG	°C	61
Crystallization Temperature	LG	°C	44
Glass Transition Temperature	LG	°C	-48

(1) The properties data in this table are typical values, and not guaranteed specification.

(2) Typical resin property values are measured on a standard compression molded specimens.

(3) Speed of 500 mm/min

Processing information

- LUCENE™ LF575P may be processed on conventional equipment. It is recommended that hopper feed throat should be cooled below 30°C to prevent from pellet bridging with low melting point.