LUCENE™ LC175

Polyolefin Elastomer

Applications

- General purpose thermoplastic elastomer for polymer modification
- Automotive interior/exterior, Shoe sole, Wire & Cable

Description

- LUCENE™ LC175 is an ethylene-1-butene copolymer produced using LG Chem's metallocene polymerization catalyst and solution process technology.
- LUCENE™ LC175 is an excellent impact modifier for plastics and offers unique performance capabilities for compounded products.

Typical properties

Characteristics	Test Method	Unit	Value
Physical(1)			
Density	ASTM D1505	g/㎤	0.870
MFR(190℃,2.16kg)	ASTM D1238	g/10min	1.1
Mooney Viscosity(ML1+4@121℃)	ASTM D1646	MU	18
Mechanical(2)			
Tensile Strength at Break	ASTM D638(3)	Mpa	4.4
Elongation at Break	ASTM D638(3)	%	>900
Tear Strength	ASTM D624	kN/m	34
FlexuralModulus1% Secant	ASTM D790	Mpa	12
Hardness			
Shore hardness(Shore A)	ASTM D2240	-	63
Thermal			
Melting Temperature	LG	℃	42
Glass Transition Temperature	LG	℃	-51

(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™ LC175 may be processed on conventional equipment. It is recommended that hopper feed throat should be cooled below 30℃ to prevent from pellet bridging with low melting point .

For additional sales, order and technical assistance

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