

# LUCENE™ LC565

Polyolefin Elastomer

## Applications

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

## Description

- LUCENE™ LC565 is an ethylene-1-octene copolymer produced using LG Chem's metallocene polymerization catalyst and solution process technology.
- LUCENE™ LC565 is an excellent impact modifier for plastics and offers unique performance capabilities for compounded products.

## Typical properties

Characteristics	Test Method	Unit	Value
<b>Physical<sup>(1)</sup></b>			
Density	ASTM D1505	g/cm <sup>3</sup>	0.865
MFR(190 °C, 2.16kg)	ASTM D1238	g/10min	5.0
Mooney Viscosity(ML1+4@121 °C)	ASTM D1646	MU	8
<b>Mechanical<sup>(2)</sup></b>			
Tensile Strength at Break	ASTM D638 <sup>(3)</sup>	Mpa	1.8
Elongation at Break	ASTM D638 <sup>(3)</sup>	%	>550
Tear Strength	ASTM D624	kN/m	20
Flexural Modulus 1% Secant	ASTM D790	Mpa	8
<b>Hardness</b>			
Shore hardness(Shore A)	ASTM D2240	-	54
<b>Thermal</b>			
Melting Temperature	LG	°C	36
Glass Transition Temperature	LG	°C	-54

(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™ LC565 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 .

For additional sales, order and technical assistance

Revised : 29/09/2014

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