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
Physical(1)			
Density	ASTM D1505	g/㎤	**0.865**
MFR(190℃,2.16kg)	ASTM D1238	g/10min	**5.0**
Mooney Viscosity(ML1+4@121℃)	ASTM D1646	MU	**8**
Mechanical(2)			
Tensile Strength at Break	ASTM D638(3)	Mpa	**1.8**
Elongation at Break	ASTM D638(3)	%	**>550**
Tear Strength	ASTM D624	kN/m	**20**
FlexuralModulus1% Secant	ASTM D790	Mpa	**8**
Hardness			
Shore hardness(Shore A)	ASTM D2240	-	**54**
Thermal			
Melting Temperature	LG	℃	**36**
Glass Transition Temperature	LG	℃	**-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℃ to prevent from pellet bridging with low melting point .

For additional sales, order and technical assistance

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Storage and handling Recommendations

LUCENE™ LC565 is available in free-flowing pelletized form designed for use in conventional polymer fabrication systems. The proper storage and handling of these product is extremely important for the products to remain flowable for transport and processing without pellet blocking.

- **To prevent pellet blocking**
  - To minimize static load, do not double stack pallets.
  - Keeping storage and handling temperature between 10 ~ 25℃.
  - Store the resins in the warehouse to protect from exposure to elevated temperature which is not to exceed 35℃.
  - Consume the resins on a first in, first out basis.

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