Lucene™ LC670

Thermoplastic Polyolefin Elastomer

LG Chem Ltd.

Message:

LUCENE LC670 is an ethylene-1-octene copolymer produced using LG Chem's metallocene polymerization catalyst and solution process technology. This resin is an excellent impact modifier for plastics and offers unique performance capabilities for compounded products.
Applications
General purpose thermoplastic elastomers, Polymer modification
Soft and hard TPO compounds
Performance
Improved impact strength in polypropylene
Excellent filler acceptance
Available as pellet form
Outstanding toughness with flexible performance
Reduction of product weight

General Information			
Features	Copolymer Good Flexibility Good Impact Resistance Good Toughness		
Uses	Compounding Plastics Modification		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.870	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mooney Viscosity (ML 1+4, 121°C)	9	MU	ASTM D1646
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	70		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Break)	5.50	MPa	ASTM D638
Tensile Elongation [2] (Break)	> 900	%	ASTM D638
Flexural Modulus - 1% Secant	13.0	MPa	ASTM D790
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength [3]	38.0	kN/m	ASTM D624
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	-55.0	°C	Internal Method
Melting Temperature (DSC)	58.0	°C	Internal Method
NOTE			
1.	510 mm/min		

2.	510 mm/min
3.	Die C

Recommended distributors for this material

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