LUCENE™ LC100

Polyolefin Elastomer for Polymer Modification

Applications
- Shoe sole, Sealing layer in packaging film, Wire and cable, Hose
- General purpose and polymer modification

Performance
- Improves resiliency and cushioning for midsole
- Excellent clarity and low sealing temperature of film
- High performamance electrical insulationa dn jacketing

Resin Properties	Test methods	Units	Values(1)
Melt Index, 2.16kg/190℃	ASTM D 1238	g/10min	1.2
Density @ 23℃	ASTM D 1505	g/㎤	0.903
Mooney viscosity, ML_{1+4} @ 121℃	ASTM D 1646	MU	23

Physical Properties	Test methods	Units	Values(2)
Tensile Strength @ Break	ASTM D 638(3)	MPa	24.5
Elongation @ Break	ASTM D 638(3)	%	660
Flexural Modulus, 1%	ASTM D 790	Mpa	83
Hardness, Shore A	ASTM D 2240	-	88
Tear Strength, Type C	ASTM D 624	kN/m	87

Thermal Properties	Test methods	Units	Values
Melting Point, DSC	LG Method	℃	96
Glass Transition Temperature	LG Method	℃	-31

(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 508 mm/min.

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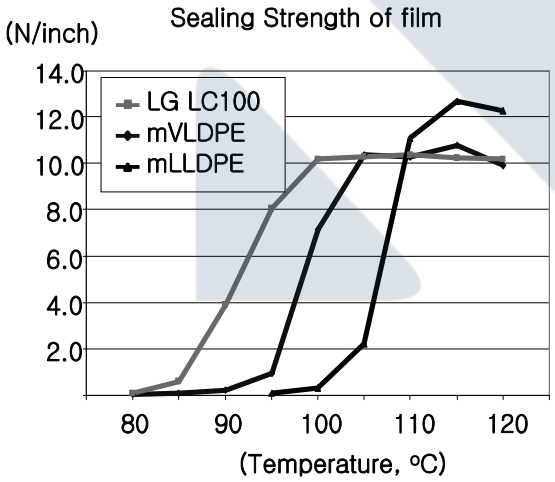
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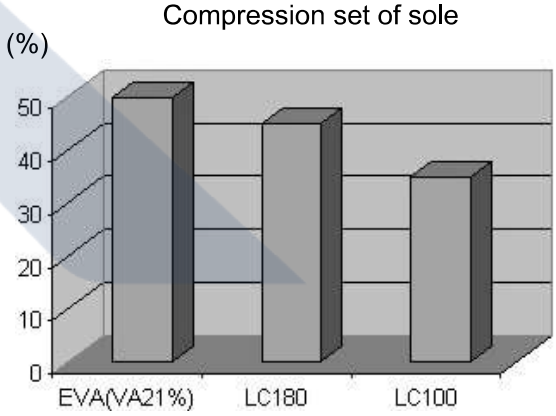
LUCENE LC100 is an ethylene-octene copolymer produced using LG Chem's metallocene polymerization catalyst and solution process technology.

This resin offers excellent performance in shoe sole application and high clarity, low sealing temperature and high hot-tack strength in film.

•Regulatory requirements

LC100 complies with FDA regulation 21 CFR 177.1520





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