

LUCENETM LC375

Polyolefin Elastomer for Polymer Modification

Applications

- General purpose thermoplastic elastomers, Polymer modification
- Shoe sole, Sealing layer in packaging film

Performance

- Improved impact strength and toughness
- Outstanding clarity
- Excellent compression set and tear strength

Resin Properties	Test methods	Units	Values ⁽¹⁾
Melt Index, 2.16kg/190℃	ASTM D 1238	g/10min	3.0
Density @ 23℃	ASTM D 1505	g/cm ³	0.870
Mooney viscosity, ML ₁₊₄ @ 121℃	ASTM D 1646	℃	12

Physical Properties	Test methods	Units	Values ⁽²⁾
Tensile Strength @ Break	ASTM D 638 ⁽³⁾	MPa	4.0
Elongation @ Break	ASTM D 638 ⁽³⁾	%	>800
Flexural Modulus, 1%	ASTM D 790	Mpa	11
Hardness, Shore A	ASTM D 2240	-	63
Tear Strength, Type C	ASTM D 624	kN/m	32

Thermal Properties	Test methods	Units	Values
Melting Point, DSC	LG Method	℃	42
Glass Transition Temperature	LG Method	℃	-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 508 mm/min.