

Lucene™ LC165X Polyolefin Elastomer



Resin Type Ethylene-butene copolymer produced using LG Chem's metallocene polymerization catalyst

Application General purpose thermoplastic elastomers, Polymer modification

Description Improved impact strength in polypropylene, Excellent filler acceptance, Available as pellet form
Excellent toughness yet flexible performance, Reduction of product weight

Properties	Test Method	Test Condition	Unit	Value ⁽¹⁾
Resin Properties				
Melt Index	ASTM D1238	190℃/2.16 kg	g/10 min	0.5
Density	ASTM D1505	23℃	g/cm ³	0.862
Mooney viscosity ML 1+4(121)	ASTM D1646	121℃	MU	32

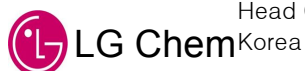
Physical Properties⁽²⁾				
Tensile Strength ⁽³⁾	ASTM D638	@Break	MPa	2.2
Elongation	ASTM D638	@Break	%	>800
Flexural Modulus, 1%	ASTM D790	-	MPa	9
Hardness	ASTM D2240	Shore A	-	43
Tear Strength, Type C	ASTM D624	-	kN/m	17

Thermal Properties				
Melting Point	LG Method	DSC	℃	30
Glass Transition Temperature	LG Method	-	℃	-58

(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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