

POE LC670

Polyolefin Elastomer for Polymer Modification

Applications • General purpose thermoplastic elastomers, Polymer modification

Performance • Improved impact strength in polypropylene
• Excellent filler acceptance
• Available as pellet form
• Outstanding toughness with flexible performance
• Reduction of product weight

| Resin Properties | Test methods | Units | Values ⁽¹⁾ |
|--|--------------|-------------------|-----------------------|
| Melt Index, 2.16kg/190℃ | ASTM D 1238 | g/10min | 5.0 |
| Density @ 23℃ | ASTM D 1505 | g/cm ³ | 0.870 |
| Mooney viscosity, ML ₁₊₄ @ 121℃ | ASTM D 1646 | ℃ | 9 |

| Physical Properties | Test methods | Units | Values ⁽²⁾ |
|--------------------------|---------------------------|-------|-----------------------|
| Tensile Strength @ Break | ASTM D 638 ⁽³⁾ | MPa | 5.5 |
| Elongation @ Break | ASTM D 638 ⁽³⁾ | % | >1000 |
| Flexural Modulus, 1% | ASTM D 790 | Mpa | 13 |
| Hardness, Shore A | ASTM D 2240 | - | 70 |
| Tear Strength, Type C | ASTM D 624 | kN/m | 38 |

| Thermal Properties | Test methods | Units | Values |
|------------------------------|--------------|-------|--------|
| Melting Point, DSC | LG Method | ℃ | 58 |
| Glass Transition Temperature | LG Method | ℃ | -55 |

(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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Description

LC670 is an ethylene-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.

Regulatory requirements

LC670 complies with FDA regulation 21 CFR 177.1520

Cleanness technology

LC670 is produced by highly innovated cleanness process

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