

## Technical Datasheet POE LC670

### 1) Product 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.

### 2) Applications:

- General purpose thermoplastic elastomers, Polymer modification.

### 3) Typical data:

Property	Test method	Unit	Value*
Density @ 23°C	ASTM D 1505	g/cm <sup>3</sup>	0.870
Melt Index, 2.16kg/190°C	ASTM D 1238	g/10min	5.0
Mooney Viscosity (ML <sub>1+4</sub> @ 121°C)	ASTM D 1646	°C	9
Tensile Strength @ Break	ASTM D 638 <sup>(3)</sup>	MPa	5.5
Elongation @ Break	ASTM D 638 <sup>(3)</sup>	%	>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
Melting Point, DSC	-	°C	58
Glass Transition Temperature	-	°C	-55

\* Typical values not to be construed as specifications.