

POE 670

(LG)

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 ³	0.870
Melt Index, 2.16kg/190°C	ASTM D 1238	g/10min	5.0
Mooney Viscosity (ML ₁₊₄ @ 121°C)	ASTM D 1646	°C	9
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
Melting Point, DSC	-	°C	58
Glass Transition Temperature	-	°C	-55

* Typical values not to be construed as specifications.

