

## Technical Datasheet POE LC565

### 1) Product Description:

LC565 is an ethylene-1-butene 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
- Soft and hard TPO compounds

### 3) Typical data:

Property	Test method	Unit	value
Density	ASTM D 1505	g/cm <sup>3</sup>	0.865
Melt Mass- Flow Rate(MFR) (190°C/2.16kg)	ASTM D 1238	g/10 min	5.0
Mooney Viscosity (ML 1+4, 121°C)	ASTM D 1646	MU	8
Tensile Strength <sup>2</sup> (Break)	ASTM D 638	MPa	1.80
Tensile Elongation <sup>2</sup> (Break)	ASTM D 638	%	550
Flexural Modulus - 1% Secant	ASTM D 790	MPa	8.00
Tear Strength <sup>3</sup>	ASTM D 624	kN/m	20.0
Durometer Hardness (Shore A)	ASTM D 2240	-	54
Glass Transition Temperature	-	°C	-54.0
Melting Temperature (DSC)1% Strain	-	°C	36.0

\* Typical values not to be construed as specifications.