



Technical Datasheet: POE LC565

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.

Applications:

- General purpose thermoplastic elastomers, Polymer modification.
- Soft and hard TPO compounds.

Typical data:

Property	Test method	Unit	value
Density	ASTM D 1505	g/cm ³	0.865
Melt Mass-Flow Rate(MFR)(190°C/2.16kg)	ASTM D 1238	g/10min	5.0
Mooney Viscosity (ML 1+4@ 121°C)	ASTM D 1646	MU	8
Tensile Strength 2 (Break)	ASTM D 638	MPa	1.80
Tensile Elongation 2 (Break)	ASTM D 638	%	550
Flexural Modulus, -1% Secant	ASTM D 790	MPa	8.00
Tear Strength 3	ASTM D 624	kN/m	20.0
Durometer Hardness (shore A)	ASTM D2240	-	54
Glass Transition Temperature	-	°C	-54.0
Melting Temperature (DSC)1% Strain	-	°C	36.0