

# LC565

## Description

EBR(Ethylene-1-Butene copolymer)

Excellent impact modifier

For compounding automotive parts to reinforce low-temperature impact strength

## Application

Automotive interior/exterior

Properties	Method	Condition	Unit	LC565
<b>Physical</b>				
MFI	ASTM D1238	190°C, 2.16kg load	g/10min	5
Density	ASTM D1505	Density-Gradient	g/cm <sup>3</sup>	0.865
Mooney Viscosity	ASTM D1646	ML1+4@121°C	MU	8
<b>Mechanical</b>				
Tensile Strength at break point	ASTM D638	500mm/min	MPa	1.8
Elongation at break point	ASTM D638	500mm/min	%	>550
Tear Strength	ASTM D624	Type C	kN/m	20
Flexural Modulus(MPa)	ASTM D790	Press sheet, 1% Secant	MPa	8
Hardness(Shore A)	ASTM D2240	Shore A		54
<b>Thermal</b>				
Melting Temperature	LG Method	by DSC	°C	36
Glass Transition Temperature	LG Method	by DSC	°C	-54

## Note

The properties data in this table are typical values, and not guaranteed specification.  
Typical resin property values are measured on a standard compression molded specimens.

## Storage and handling Recommendations

The proper storage and handling of these product is extremely important for the products to remain flowable for transport and processing without pellet blocking.

To prevent pellet blocking

- To minimize static load, do not double stack pallets.
- Keeping storage and handling temperature between 10~25°C.
- Storage the resins in the warehouse to protect from exposure to elevated temperature which is not to exceed 35 °C.
- Consume the resins on a first in, first out basis.

Issued Date : 2022-02-16

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.