

# LC180

## Description

EOR(Ethylene-1-Octene copolymer)  
Excellent impact modifier

## Application

Shoe sole, Wire & Cable, Packaging Films

Properties	Method	Condition	Unit	LC180
<b>Physical</b>				
MFI	ASTM D1238	190°C, 2.16kg load	g/10min	1.2
Density	ASTM D1505	Density-Gradient	g/cm <sup>3</sup>	0.885
Mooney Viscosity	ASTM D1646	ML1+4@121°C	MU	20
<b>Mechanical</b>				
Tensile Strength at break point	ASTM D638	500mm/min	MPa	25
Elongation at break point	ASTM D638	500mm/min	%	>800
Tear Strength	ASTM D624	Type C	kN/m	58
Flexural Modulus(MPa)	ASTM D790	Press sheet, 1% Secant	MPa	30
Hardeness(Shore A)	ASTM D2240	Shore A		86
<b>Thermal</b>				
Melting Temperature	LG Method	by DSC	°C	73
Glass Transition Temperature	LG Method	by DSC	°C	-45

## 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.

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