

# Solumer™ 891

Solumer™ 891, Polyolefin Elastomer (POE), is an ethylene-octene copolymer that performs well in a wide range of general purpose of thermoplastic elastomer applications, and has excellent flow characteristics.

Applications: General Purpose Thermoplastic Elastomers, Footwear, Wire and Cable, Impact Modification, etc.

		Typical Values	Unit	Test Method
<b>Resin properties</b>	<b>Co-monomer</b>	<b>Octene-1</b>		SK Method
	<b>Density</b>	<b>0.885</b>	g/cm <sup>3</sup>	ASTM D1505
	<b>MI</b>	<b>1.0</b>	g/10min	ASTM D1238
	<b>Melting Point</b>	<b>74</b>	°C	SK Method
	<b>Mooney Viscosity (ML 1+4 @ 121 °C)</b>	<b>21</b>	MU	ASTM D1646
<b>Physical Properties<sup>1</sup></b>	<b>Tensile Strength at Break</b>	<b>170</b>	kgf/cm <sup>2</sup>	ASTM D638
	<b>Elongation at Break</b>	<b>700</b>	%	ASTM D638
	<b>Tensile Modulus 100%</b>	<b>47</b>	kgf/cm <sup>2</sup>	ASTM D638
	<b>Flexural Modulus (1% secant)</b>	<b>300</b>	kgf/cm <sup>2</sup>	ASTM D790
	<b>Hardness Shore A (1sec)</b>	<b>81</b>		ASTM D2240
	<b>Shore D (1sec)</b>	<b>29</b>		
	<b>Tear Strength (Type C)</b>	<b>59</b>	kgf/cm	ASTM D624

\* Typical values, not to be used as specifications.

<sup>1</sup> Evaluated with compression molded sample.

These are typical values and are not to be construed as specifications. The physical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests.