

# Solumer™ 883

Solumer™ 883, 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</b>	<b>Co-monomer</b>	<b>Octene-1</b>		SK Method
<b>properties</b>	<b>Density</b>	<b>0.880</b>	g/cm <sup>3</sup>	ASTM D1505
	<b>MI</b>	<b>3.0</b>	g/10min	ASTM D1238
	<b>Melting Point</b>	<b>~ 68</b>	°C	SK Method
	<b>Mooney Viscosity</b>	<b>11</b>	MU	ASTM D1646
	<b>(ML 1+4 @ 121 °C)</b>			
<b>Physical</b>	<b>Tensile Strength at Break</b>	<b>120</b>	kgf/cm <sup>2</sup>	ASTM D638
<b>Properties<sup>1</sup></b>	<b>Elongation at Break</b>	<b>900</b>	%	ASTM D638
	<b>Tensile Modulus 100%</b>	<b>34</b>	kgf/cm <sup>2</sup>	ASTM D638
	<b>Flexural Modulus (1% secant)</b>	<b>200</b>	kgf/cm <sup>2</sup>	ASTM D790
	<b>Hardness Shore A (1sec)</b>	<b>78</b>		ASTM D2240
	<b>Shore D (1sec)</b>	<b>24</b>		
	<b>Tear Strength (Type C)</b>	<b>42</b>	kgf/cm	ASTM D624

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

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