

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
Resin	Co-monomer	Octene-1		SK Method
properties	Density	0.885	g/cm ³	ASTM D1505
	MI	1.0	g/10min	ASTM D1238
	Melting Point	~ 74	°C	SK Method
	Mooney Viscosity	21	MU	ASTM D1646
	(ML 1+4 @ 121 °C)			
Physical	Tensile Strength at Break	170	kgf/cm ²	ASTM D638
Properties¹	Elongation at Break	700	%	ASTM D638
	Tensile Modulus 100%	47	kgf/cm ²	ASTM D638
	Flexural Modulus (1% secant)	300	kgf/cm ²	ASTM D790
	Hardness Shore A (1sec)	81		ASTM D2240
	Shore D (1sec)	29		
	Tear Strength (Type C)	60	kgf/cm	ASTM D624

* Typical values, not to be used as specifications.

¹ Evaluated with compression molded sample.