

Solumer™ 871

Solumer™ 871, 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, Impact Modification, etc.

		Typical Values	Unit	Test Method
Resin	Co-monomer	Octene-1		SK Method
properties	Density	0.870	g/cm ³	ASTM D1505
	MI	1.0	g/10min	ASTM D1238
	Melting Point	~ 62	°C	SK Method
	Mooney Viscosity	21	MU	ASTM D1646
	(ML 1+4 @ 121 °C)			
Physical	Tensile Strength at Break	96	kgf/cm ²	ASTM D638
Properties¹	Elongation at Break	850	%	ASTM D638
	Tensile Modulus 100%	30	kgf/cm ²	ASTM D638
	Flexural Modulus (1% secant)	140	kgf/cm ²	ASTM D790
	Hardness Shore A (1sec)	72		ASTM D2240
	Shore D (1sec)	22		
	Tear Strength (Type C)	42	kgf/cm	ASTM D624

* Typical values, not to be used as specifications.

¹ 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.