

Solumer™ 851L

Polyolefin Elastomer

Introduction

Solumer™ 851L is an ultra-low density **ethylene-octene copolymer** produced via Nexlene™ technology. Solumer™ 851L has excellent flow characteristics and provides superior impact resistance with other polymers.

Applications

- Impact modification
- Industrial and consumer durable goods (injection)

Properties

		Typical Values	Unit	Test Method
Physical Properties	Density	0.857	g/cm ³	ASTM D792
	Melt index (2.16 kg @190°C)	1.0	g/10min	ASTM D1238
	Mooney viscosity (ML1+4 @ 121°C)	24	MU	ASTM D1646
Mechanical Properties¹	Tensile strength at break	25	kgf/cm ²	ASTM D638 ²
	Elongation at break	>1000	%	ASTM D638 ²
	Tensile modulus (100% Elongation)	14	kgf/cm ²	ASTM D638 ²
	Flexural modulus (1% secant)	45	kgf/cm ²	ASTM D790
	Tear strength (Type C)	28	kgf/cm ²	ASTM D624
	Hardness	Shore A (1 sec)	55	ASTM D2240
		Shore D (1 sec)	12	ASTM D2240
Thermal Properties	Melting temperature	38	°C	SK Method
	Glass transition temperature	-59	°C	SK Method

¹ Evaluated using compression molded sample

² Crosshead speed: 500 mm/min

Notes

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

For additional sales, order and technical assistance

Head office SK Global Chemical Co.,LTD
26 Jong-ro, Jongno-gu,
Seoul, Korea
TEL +82-2-2121-6757

TS&D SK innovation Global Technology
325 Exporo,Yueseong-gu,
Daejeon, Korea
TEL +82-42-609-8623