Technical Information

Solumer™ 875L

Polyolefin Elastomer

Introduction

Solumer™ 875L is an **ethylene-octene copolymer** produced via Nexlene™ technology. Solumer™ 875L performs well in a wide range of general purpose thermoplastic elastomer applications and has excellent flow characteristics.

Applications

- General purpose thermoplastic elastomers
- Wire and cable
- Impact modification
- Footwear

Properties

			Typical Values	Unit	Test Method
Physical Properties	Density		0.868	g/cm^3	ASTM D792
	Melt index (2.16 kg @190°C)		5.0	g/10min	ASTM D1238
	Mooney viscosity (ML1+4 @ 121°C)		8	MU	ASTM D1646
Mechanical Properties[1]	Tensile strength at break		63	kgf/cm^2	ASTM D638[2]
	Elongation at break		>1000	%	ASTM D638[2]
	Tensile modulus (100% Elongation)		24	kgf/cm^2	ASTM D638[2]
	Flexural modulus (1% secant)		110	kgf/cm^2	ASTM D790
	Tear strength (Type C)		38	kgf/cm^2	ASTM D624
	Hardness	Shore A (1 sec)	66		ASTM D2240
		Shore D (1 sec)	17		ASTM D2240
Thermal Properties	Melting temperature		61	°C	SK Method
	Glass transition temperature		-53	°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 **TS&D**