Solumer™ 883

Polyolefin Elastomer

Introduction

Solumer™ 883 is an **ethylene-octene copolymer** produced via Nexlene™ technology. Solumer™ 883 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		0.880	g/cm^3	ASTM D792
	Melt index (2.16 kg @190°C)		3.0	g/10min	ASTM D1238
	Mooney viscosity (ML1+4 @ 121°C)		11	MU	ASTM D1646
Mechanical Properties[1]	Tensile strength at break		120	kgf/cm^2	ASTM D638[2]
	Elongation at break		900	%	ASTM D638[2]
	Tensile modulus (100% Elongation)		34	kgf/cm^2	ASTM D638[2]
	Flexural modulus (1% secant)		200	kgf/cm^2	ASTM D790
	Tear strength (Type C)		41	kgf/cm^2	ASTM D624
	Hardness	Shore A (1 sec)	78		ASTM D2240
		Shore D (1 sec)	24		ASTM D2240
Thermal Properties	Melting temperature		68	°C	SK Method
	Glass transition temperature		-49	°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

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