

Technical Information

Solumer™ 8730L

Polyolefin Elastomer

Introduction

Solumer™ 8730L is an **ethylene-octene copolymer** with ultra-high flowability produced via Nexlene™ technology. Solumer™ 8730L has excellent flow characteristics that provides ease in processing and is highly effective as an impact modifier or as a component in injection.

Applications

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

Properties

		Typical Values	Unit	Test Method
Physical Properties	Density	0.868	g/cm ³	ASTM D792
	Melt index (2.16 kg @190°C)	30.0	g/10min	ASTM D1238
	Mooney viscosity (ML1+4 @ 121°C)	2	MU	ASTM D1646
Mechanical Properties¹	Tensile strength at break	32	kgf/cm ²	ASTM D638 ²
	Elongation at break	>1000	%	ASTM D638 ²
	Flexural modulus (1% secant)	110	kgf/cm ²	ASTM D790
	Tear strength (Type C)	30	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

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