

Technical Information

Supreme™ 1015

Polyolefin Plastomer

Introduction

Supreme™ 1015, Polyolefin Plastomer (POP), is an **ethylene-octene copolymer** produced via Nexlene™ technology. Supreme™ 1015 performs well in a wide range of various food & non-food packaging films with excellent sealing property and impact strength.

Typical Performance:

- Excellent low seal initiation temperature and hot tack strength
- Superior impact strength and transparency

Complies with:

- US. FDA 21 CFR 177.1520
- EU. No 10/2011

Additives:

- Antiblock: No
- Slip: No

Properties

		Typical Values	Unit	Test Method
Resin Properties	Density	0.910	g/cm ³	ASTM D792
	Melt index (2.16 kg @190°C)	15	g/10min	ASTM D1238
	Melting temperature	113	°C	SK Method
	Vicat softening temperature	98	°C	ASTM D1525
Film Properties	Film thickness - tested	40	µm	ASTM D374
	Dart impact strength	350	g	ASTM D1709A
	Haze	0.8	%	ASTM D1003
	Seal initiation temperature ¹	94	°C	SK Method ¹
	Elmendorf tear strength	MD 12	g/µm	ASTM D1922
		TD 15	g/µm	ASTM D1922
	Tensile strength at break	MD 380	kg/cm ²	ASTM D882
		TD 410	kg/cm ²	ASTM D882

Technical Information

Elongation at break	MD	700	%	ASTM D882
	TD	770	%	ASTM D882

Extrusion Condition	<ul style="list-style-type: none">Screw size: 40 mmScrew speed: 30 rpmDie gap: 1 mmMelt temperature: 230°C
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¹ Temperature at which 0.4 kg/25.4 mm heat seal strength is achieved

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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