

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 Informa...

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

Extrusion	• Screw size: 40 mm
Condition	• Screw speed: 30 rpm
	• Die gap: 1 mm
	• Melt temperature: 230°C

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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