

Technical Information

Supreme™ 1015 mLLDPE

Introduction

Supreme™ 1015, 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**
- Screw size: 40 mm
 - 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

Head office SK Global Chemical Co.,LTD
26 Jong-ro, Jongno-gu,
Seoul, Korea
TEL +82-2-2121-5052

TS&D SK innovation Global Technology
325 Exporo, Yueseong-gu,
Daejeon, Korea
TEL +82-42-609-8623