

Technical Information

Supreme™ 028

Polyolefin Plastomer

Introduction

Supreme™ 028, Polyolefin Plastomer (POP), is an **ethylene-octene copolymer** produced via Nexlene™ technology. Supreme™ 028 performs well in a wide range of various cast film applications with excellent sealing property and impact strength.

Typical Performance:

- Superior low seal initiation temperature and hot tack strength
- Excellent 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	0.902	g/cm ³	ASTM D792
	Melt index (2.16 kg @190°C)	7.5	g/10min	ASTM D1238
	Melting temperature	96	°C	SK Method
	Vicat softening temperature	80	°C	ASTM D1525
Film Properties	Film thickness - tested	25	µm	ASTM D374
	Dart impact strength	500	g	ASTM D1709A
	Haze	0.5	%	ASTM D1003
	Seal initiation temperature	84	°C	SK Method ¹
Extrusion Condition	<ul style="list-style-type: none"> • Screw size: 30 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 +82-2-2121-6741

TS&D SK innovation Global Technology
325 Exporo, Yueseong-gu,
Daejeon, Korea
TEL +82-42-609-8177