



PRODUCT SELECTION GUIDE

SABIC® COHERE™ PLASTOMER AND SUPEER™
MLLDPE FOR FLEXIBLE PACKAGING

CHEMISTRY THAT MATTERS™

SABIC® COHERE™ Plastomer (POP) and SUPEER™ mLLDPE are produced using Nexlene™ technology - a leading -edge technology with a combination of solution process and proprietary metallocene catalyst.

SABIC's broad POP and mLLDPE product portfolio provides comprehensive 'one-stop' solutions to help our customers meet the most critical challenges across various applications in packaging,

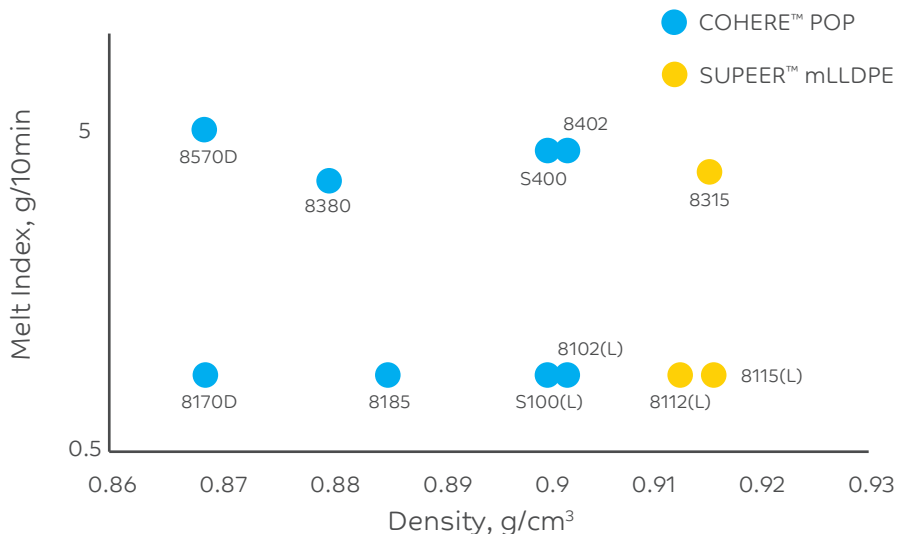
hygiene, construction and consumer products.

COHERE™ can be used in monolayer or coextruded film to enhance heat-sealing properties, clarity, toughness, flexibility and elasticity. It has strict gel control to meet high quality film requirements.

SUPEER™ performs well in a wide range of general purpose and high performance LLDPE blown/cast film

applications and has good processability. The grade offers better performance in terms of tensile properties, stiffness / toughness ratio and optical properties.

Additionally, our research and development centers are open to customers to develop custom products, new grades and differentiated solutions for today and future needs.



COHERE™ Plastomer and SUPEER™ mLLDPE products

Typical applications of COHERE™ Plastomer and SUPEER™ mLLDPE

Product	Grade	MFR	Density	Melting Point	Additives	Process	Typical Application
COHERE™ POP	8170D	1	0.868	62		Blown film	<ul style="list-style-type: none"> • Sealant for liquid & powder • Barrier shrink film • Freeze bag • Container liner / Bag-in-box • Stretch hood • Stretch wrap film • Surface protective film • Elastic film
	8570D	5	0.868	62		Cast film	
	8380	3	0.88	68		Cast film	
	8185	1	0.885	74		Blown film	
	8102	1	0.902	98		Blown film	
	8102L	1	0.902	98	Slip, antiblock	Blown film	
	S100	1	0.900	98		Blown film	
	S100L	1	0.900	98	Slip, antiblock	Blown film	
	S400	3.5	0.900	96		Cast film	
	8402	3.5	0.902	100		Cast film	
SUPEER™ mPE	8112	1.1	0.912	111		Blown film	<ul style="list-style-type: none"> • Sealant for dry goods • General purpose pouches • Heavy duty sacks • Stretch wrap film • Silage film • Hygiene backsheets
	8112L	1.1	0.912	111	Slip, antiblock	Blown film	
	8115	1.1	0.915	112		Blown film	
	8115L	1.1	0.915	112	Slip, antiblock	Blown film	
	8315	3	0.915	113		Cast film	

* MFR: g/10min, @190°C 2.16kg. Density: g/cm³. Melting point: °C

New COHERE™ grade with low Sealing Initiation Temperature (SIT)

SABIC® COHERE™ S100(L)

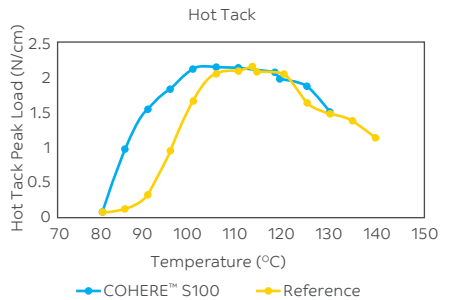
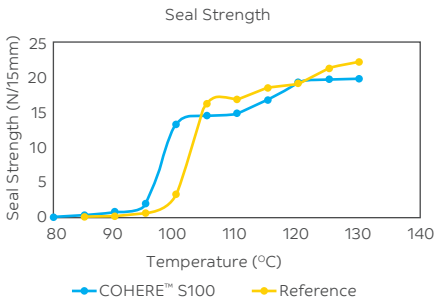
Reference: Market benchmark POP (MFI 1.0, Density 0.902)

85µm 3 layer blown film

Layer A 30%	LLDPE + LDPE
Layer B 40%	LLDPE + LDPE
Layer C 30%	25% COHERE™ S100 + LLDPE/LDPE

Value to customers:

- Lower SIT (5~10 °C)
- Wider sealing process window
- Excellent seal through contamination
- Comparable processing & mechanical vs. reference
- Excellent gel control



Key Benefits of SABIC® COHERE™ and SUPEER™

- State-of-the-art molecular design:
Bimodal solution process with octene co-monomer
- Outstanding processability:
Enhanced bubble stability, lower motor load and extrusion pressure
- Superior mechanical performance:
Improved tear resistance, excellent puncture & dart impact resistance and tensile strength
- Outstanding sealing property:
Lower sealing initiation temperature (SIT) that enables faster packaging speed
- Excellent optics:
High clarity and very low haze
- Superb hygienic properties:
Low extractables and outstanding organoleptics

DATA IN TABLE ARE TYPICAL VALUES AND SHOULD NOT BE CONSTRUED AS SPECIFICATION LIMITS

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