



INEOS

Olefins & Polymers Europe

Your partner in

ELTEX[®]
PP FILM

Faster, thinner,
better with ELTEX[®] P

INEOS



We offer a wide range
of high value PP
grades for heat seal
applications.

INEOS Olefins & Polymers Europe

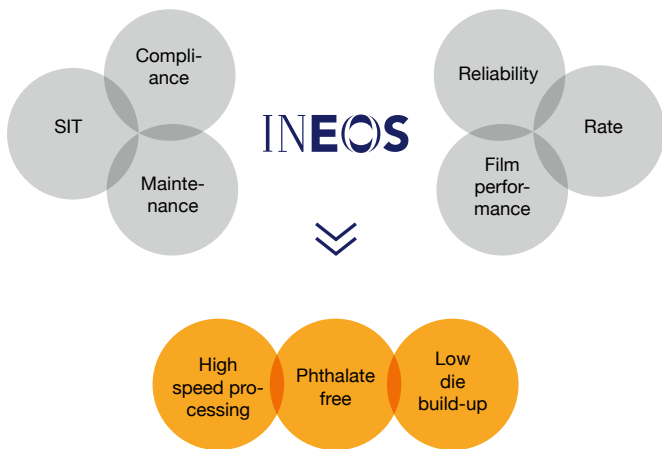
PP Film

INEOS Olefins & Polymers Europe is the world leading supplier of polyolefin sealant materials for the production of bi-axially oriented (BOPP) films.

Through a close relationship with the whole value chain from BOPP film producers to end-users, we have developed the most comprehensive range of ELTEX® P skin layer resins.

Our newly developed “**H**igh **P**erformance” grades fulfill the requirements of the most demanding BOPP applications & technologies:

- / Running at very high speed (525 m/min)
- / Very low down time and reduced maintenance due to a high cleanliness which limits die build-up
- / Non-phthalate catalyst based



Using specific copolymer structures and unique production processes, we offer material for metal receptive skin layers for metallised film. These materials provide outstanding performances in terms of cleanliness, processability, surface treatment retention, high barrier post metallisation and ink adhesion.

Through differentiated compositions the sealing layer resins offered by INEOS Olefins & Polymers Europe cover a wide range of SITs from 115°C to as low as 80°C whilst retaining high melting temperatures.

ELTEX® P grades for sealing layer

SIT °C	Monomers	MFR g/10 min	MP °C	Barefoot	AB	AB+Slip	Comment
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Sarralbe - France

115	C3-C2	5	134	KS409			
115	C3-C2	7.3	134			KS414	

Lillo - Belgium

105	C3-C2-C4	5	131	KS359	KS384	KS350	
105	C3-C2-C4	7.3	131			KS351	
105	C3-C2-C4	9	131		KV353		Double bubble CaSt free
90	C3-C4	5	131	KS399			
90	C3-C2-C4	9	128	KV389			Double bubble
80	C3-C4	5	131	KS689			

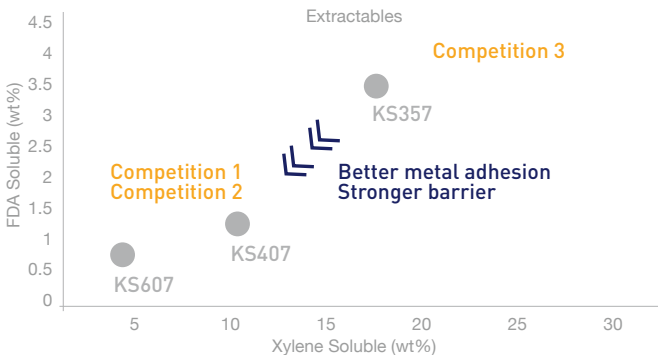
MP Melting Point, **SIT** Seal Initiation Temperature

Measurement carried out on coextruded BOPP film (20 µm – untreated faces), 2 heated flat teflonised jaws, dwell time = 1 sec, pressure = 3 bars.

The tables give typical values measured on the products. These values should not be considered as specifications.



ELTEX® continuous cleanliness improvement



ELTEX® P grades for metallisation layer

SIT °C	Monomers	MFR g/10 min	MP °C	Metallisation (CaST free)	Comment
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Sarralbe - France

115	C3-C2	5	134	KS407	
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Lillo - Belgium

105	C3-C2-C4	5	131	KS357	Also medical
	C3-C4	5	145	KS607	High barrier Extrusion lamination

The “High Performance” versions have outstanding processability making them the material of choice for high speed BOPP lines.

ELTEX® HP grades for high speed

SIT °C	Monomers	MFR g/10 min	MP °C	Barefoot	Metallisation (CaST free)	AB	AB+Slip
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Sarralbe - France

115	C3-C2	6	134		KS407 HP		
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Lillo - Belgium

105	C3-C2-C4	6	131	KS359 HP	KS357 HP	KS383 HP	KS350 HP
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INEOS Olefins & Polymers Europe also markets a broad range of polypropylene resins intended for core BOPP, blown and cast films, including heat sealable layer of laminates used in retortable pouches.

Homopolymer for core BOPP films

MFR g/10 min	MP °C	FM Mpa	Tenter	Double bubble	Comment
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Lavera - France

2	158	1350	102-GF02		Improved stretchability
2	162	1450	100-GD02		Metallisation
3	162	1450	100-GD03		Metallisation

Grangemouth - UK

8	161	1450		101-GB08	
8	161	1450		102-GD08	Metallisation

FM Flexural Modulus @ 23°C

PP resins for blown and cast films

Product	MFR g/10 min	FM Mpa	Barefoot	Technical Additives	Form	Comment
HPP	2	1450	100-GA02		GM	
HPP	2	1450	150-GA02		LA	
HPP	3	1450	100-GA03		GM	
HPP	3	1450	150-GA03		LA	
HPP	9	1450	100-GA09	101-SA09	GM	Slip
HPP	12	1400	100-GA12		GM,LV	
RCP	1.7	950		200-CA02	LV	AS, nucleated
RCP	1.8	900		242-NA02	LV	Nucleated
RCP	2	950	200-GA02		LV	
RCP	2	1000		200-NA02	LV	Nucleated
ICP	0.8	1300	RF180		GE	Non-phthalate Retortable, organo
ICP	2.5	1250	400-GA03		GE	
ICP	5	1200	400-GA05		GE	
ICP	5	1200		401-NA06	GE	Nucleated

About us

INEOS is one of the world's largest chemical companies, founded in 1998. INEOS Olefins & Polymers Europe is a leading producer of olefins and polyolefins.

INEOS Olefins & Polymers Europe offers a full range of high value polyolefins solutions for market applications such as food and industrial packaging, pipe and automotive through dedicated sales, and technical service teams.

INEOS is a safe and environmentally responsible company. We are engaged in developing our sustainable agenda to improve our operations and to implement sustainable solutions for our customers. This includes products that offer lightweighting, energy efficiency, durability (extended lifetime) or conservation of resources. We care.



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Please visit our website at www.ineos.com
or contact us at ineospfcsc@ineos.com

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