

# ELTEX<sup>®</sup> P HCS586

## Product Technical Information

ELTEX<sup>®</sup> P HCS586 is a nucleated polypropylene homopolymer.

## Benefits & Features

ELTEX<sup>®</sup> P HCS586 is a nucleated polypropylene homopolymer designed for cast film applications requiring the below characteristics:

- Remarkably high stiffness
- Good optical properties
- Outstanding temperature resistance

## Applications

ELTEX<sup>®</sup> P HCS586 is developed for :

- Coextruded film
- Stationary film
- Textile packaging film
- Label film
- Twist wrap film.
- General purpose and technical injection moulding requiring very high stiffness

We recommend that you consult your INEOS technical representative for further advice on the use of ELTEX<sup>®</sup> P HCS586.

Properties	Conditions	Test Methods	Values	Units
<b>Rheological</b>				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	7	g/10min
<b>Mechanical</b>				
1% Secant Modulus	MD/TD	ISO 527-3	2200/2000	MPa
Charpy Impact Strength notched	23°C	ISO 179-1	3.7	kJ/m <sup>2</sup>
Flexural Modulus	23°C	ISO 178	2200	MPa
Puncture test		INEOS Test Method	2	N.cm/μm
Tensile strength at break	MD/TD	ISO 527-3	41/45	MPa
Vicat Softening Temperature	Method A50 (10N, 50°C/h)	ISO 306	157	°C
<b>Optical</b>				
Gloss	45°	ASTM D2457	68	GU
Haze		ASTM D1003	7	%
<b>Thermal</b>				
Crystallisation Temperature		ASTM D3418	130	°C
Melting Point		ASTM D3418	167	°C

Data should not be used for specification work



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## Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration.

It is advised to process the product within maximum one year after delivery.