



ELTEX[®] P HCS586

Product Technical Information

ELTEX[®] P HCS586 is a nucleated polypropylene homopolymer.

Benefits & Features

ELTEX[®] 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[®] P HCS586 is developed for :

- Coextruded film
- Stationary film
- Textile packaging film
- Label film
- Twist wrap film

We recommend that you consult your INEOS technical representative for further advice on the use of ELTEX[®] P HCS586.

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	7.0	g/10 min
Mechanical				
Flexural Modulus ¹	23°C	ISO 178	2200	MPa
Charpy Impact Strength notched	23°C	ISO 179	3.7	kJ/m ²
Thermal				
Melting Point		ASTM D 3417	167	°C
Crystallisation Temperature		ASTM D 3417	130	°C
Vicat Softening Temperature	10N	ISO306/A50	157	°C
Data should not be used for specification work				

¹ measured on compression molded specimens.

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Film properties

Properties	Conditions	Test Methods	Values	Units
Puncture test	INEOS method		2	N.cm/μm
Tensile strength at break	MD/TD	ISO 527-3	41/45	MPa
1 % Secant Modulus	MD/TD	ISO 527-3	2200/2000	MPa
Haze		ASTM D 1003	7	%
Gloss	45 °	ASTM D 2457	68	%

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50 μm film extruded on a Collin cast film line - MD = machine direction, TD = transverse direction

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

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