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.
- 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® P HCS586.**

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	7	g/10min
Mechanical				
1% Secant Modulus	MD/TD	ISO 527-3	2200/2000	MPa
Charpy Impact Strength notched	23°C	ISO 179-1	3.7	kJ/m²
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
Optical				
Gloss	45°	ASTM D2457	68	GU
Haze		ASTM D1003	7	%
Thermal				
Crystallisation Temperature		ASTM D3418	130	°C
Melting Point		ASTM D3418	167	°C

Data should not be used for specification work

April, 2025

Published by

INEOS Olefins & Polymers Europe

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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.

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

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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