



# Eltex® P HCW280

## Product Technical Information

Polypropylene - Homopolymer

**Eltex® P HCW280** is a homopolymer with high isotacticity and antistatics properties. The very high isotactic index gives it an exceptional degree of crystallinity and remarkably high stiffness making it also suitable for a range of applications typical of Styrenic polymers.

Eltex® P HCW280 has improved heat resistance properties over standard polypropylenes.

## Applications

- Household goods
- Food packaging
- Appliances

## Benefits and Features

- Exceptional degree of crystallinity
- Remarkably high stiffness
- Heat resistance

Properties		Test Methods	Values	Units
<b>Physical</b>				
Melt Flow Rate	230°C/2.16kg	ISO 1133	20	g/10min
<b>Mechanical</b>				
Flexural Modulus	@23°C	ISO 178	2200	MPa
Tensile Strength	@Yield	ISO 527-1,-2	40	MPa
Izod impact strength, notched	@+23°C	ISO 180/1A	2.7	kJ/m <sup>2</sup>
<b>Thermal</b>				
HDT	@0.45 MPa	ISO 75/B	130	°C
Vicat softening temperature	@10 N	ISO 306/A	155	°C
Vicat softening temperature	@50 N	ISO 306/B	112	°C

- Data should not be used for specification work



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## Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to [psnohreg@ineos.com](mailto:psnohreg@ineos.com). Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

## 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 Material Safety Data Sheet (MSDS) that may be obtained from the website [www.ineospolyolefins.com](http://www.ineospolyolefins.com). Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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