



Eltex® P HCW280

Product Technical Information

Polypropylene – Homopolymer

Eltex® P HCW280 is a homopolymer with high isotacticity and antistatic 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 polypropylene.

Benefits & Features

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

Applications

- Household goods
- Food packaging
- Appliances

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	20	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	2200	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	40	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	2.7	kJ/m ²
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2	130	°C
Vicat Softening Temperature	10N	ISO306/A50	155	°C
Vicat Softening Temperature	50N	ISO306/A50	112	°C
Data should not be used for specification work				

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.