



Eltex[®] P CAP912

Product Technical Information

Polypropylene Random Copolymer

Benefits & Features

Eltex[®] P CAP912 is a random copolymer polypropylene specially developed for caps and closures applications in direct contact with beverages. Eltex[®] P CAP912 has excellent organoleptic properties – taste & odour – which are guaranteed and is compliant with volatile organic compound requirements following EPA524.2; this provides ultra-clean packaging capability.

Eltex[®] P CAP912 is a medium ethylene content random copolymer with good balance of stiffness, impact and processing. It offers for the injection moulding of caps and closures high transparency, surface aspect quality and hinge resistance.

- Good transparency
- Good flow
- Good mould release
- Good hinge properties
- Excellent and quality controlled organoleptic properties. In order to preserve the excellent organoleptic properties, it is important not to exceed a melt temperature of 250°C during processing.

Applications

Caps and closures for the packaging of still beverages: water, juices, functionalised beverages, ...

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	13	g/10min
Mechanical*				
Flexural Modulus	23°C	ISO 178	1100	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	28	MPa
Izod Impact Strength, notched	23°C	ISO 180/A	6.0	KJ/m ²
Izod Impact Strength, notched	0°C	ISO 180/A	3.3	KJ/m ²
Optical				
Haze	1mm Thickness	ASTM D 1003	15	%
Haze	2mm Thickness	ASTM D 1003	30	%
Thermal				
Crystallisation Temperature	DSC	INEOS Test Method	119	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2	90	°C
Vicat Softening Temperature	10N	ISO306/A50	130	°C

Data should not be used for specification work

* Values determined on injection moulded specimens acc. to ISO 1873-2, based on 7 days conditioning time



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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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