Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

Eltex® P KS399

Product Technical Information

Polypropylene - Heat Seal

Benefits & Features

Eltex® P KS399 belongs to INEOS' third generation of heat seal resin and is based on the new structural concept developed for the 2nd generation terpolymer (**Eltex® P KS350** series) and is successfully used by major BOPP film producers all over the world.

Eltex® P KS399 is a propylene/alpha olefin copolymer specially developed for the sealing layers of "coextruded bioriented film" for food and technical packaging. It provides a unique combination of extremely low sealing temperature (90ºC) and improved ease of processing, yet maintaining excellent optical properties.

- Specially developed for the sealing layers of "coextruded bioriented film" for food and technical packaging
- Extremely low sealing temperature (90ºC)
- Ease of processing (Melting point > 130ºC)

Applications

- Barefoot copolymer specially developed for the sealing layers of "coextruded bioriented film"

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	5	g/10min
Density	23°C	ISO 1183-1	895	kg/m³
Mechanical				
Shore D Hardness	23°C	ISO 868	58	-
Thermal				
Melting Point		ASTM D 3417	131	°C
Vicat Softening Temperature	10 N	ISO306/A50	102	°C
Heat Seal Threshold	1s, 3 bars, 100mm/min & 100g/cm	Ineos Method	90	°C

Data should not be used for specification work

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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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