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

# ELTEX® P KS384

## Product Technical Information

Polypropylene - Heat Seal

## Benefits & Features

**ELTEX® P KS384** offers a very low heat seal temperature (10ºC below that of **Eltex® P KS400** type random copolymers) and contains antiblocking agent.
It is developed primarily for the sealing layer in "coextruded bioriented film" for food and technical packaging.

## Applications

- 2nd generation terpolymer 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** | | | | |
| Flexural Modulus | 23°C | ISO 178 | 620 | MPa |
| Tensile Strength at Yield | 23°C | ISO 527-1,-2 | 20 | MPa |
| Shore D Hardness | 23°C | ISO 868 | 58 | - |
| **Thermal** | | | | |
| Melting Point | | ASTM D 3417 | 131 | °C |
| Vicat Softening Temperature | 10 N | ISO306/A50 | 105 | °C |
| Heat Deflection Temperature | 0.45 MPa | ISO 75-2 | 55 | °C |
| Heat Seal Threshold | 1s, 3 bars, 100mm/min & 100g/cm | Ineos Method | 105 | °C |

**Data should not be used for specification work**

November, 2013

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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