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

ELTEX® P KS357 HP

Product Technical Information

Polypropylene - Heat Seal

Benefits & Features

ELTEX® P KS357 HP offers a very low heat sealing temperature and contains no technical additives.
It is thus particularly appreciated by users wishing to use their own formulations.
Moreover, its stabilisation package has been especially designed for both sealing layer and treated layer of metallisable BOPP films.
Its fine-tuned rheology offers excellent processability on high speed BOPP conversion lines. Its low tendency of generating die deposits significantly reduces line down time and curative maintenance operations. The grade is available on a non-phthalate catalyst basis.

Applications

- Sealing layer and treated layer of metallisable BOPP films

Properties	Conditions	Test Methods	Values	Units
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	6	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

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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.

Exclusion of Liability

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