



# ELTEX<sup>®</sup> P KS357 HP

## Product Technical Information

Polypropylene - Heat Seal

### Benefits & Features

**ELTEX<sup>®</sup> 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
<b>Physical</b>				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	6	g/10min
Density	23°C	ISO 1183-1	895	kg/m <sup>3</sup>
<b>Mechanical</b>				
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	-
<b>Thermal</b>				
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**

### 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.