

ELTEX[®] P KS357

Product Technical Information

Polypropylene - Heat Seal

Benefits & Features

ELTEX[®] P KS357 offers a very low heat seal temperature (10°C below that of **ELTEX[®] P KS400** type random copolymers) and contains no technical additives. It is thus particularly appreciated by users wishing to use their own "formulas", its stabilisation package has been especially designed for metallisable film applications.

ELTEX[®] P KS357 is developed primarily for the sealing layer in "coextruded bioriented metallisable film".

Applications

- 2nd generation terpolymer specially developed for the sealing layers of "coextruded bioriented metallisable film"
- Metallisation

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/m ³
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				

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.