

Eltex® P KS357

Polypropylene Random Copolymer

INEOS Olefins & Polymers Europe

Message:

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

General Information			
Features	Low Temperature Heat Sealability Metallizable Terpolymer		
Uses	Bi-axially Oriented Film Film		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Coextrusion Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.895	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 23°C)	58		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	20.0	MPa	ISO 527-2
Flexural Modulus (23°C)	620	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Heat Seal Threshold ¹	105	°C	Internal Method
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	55.0	°C	ISO 75-2/B
Vicat Softening Temperature	105	°C	ISO 306/A50
Peak Melting Temperature	131	°C	ASTM D3417
NOTE			

1. 1s, 3 bars, 100 mm/min, 100 g/cm

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