

Eltex® P KS351

Polypropylene Random Copolymer
INEOS Olefins & Polymers Europe

Message:

Benefits & Features
ELTEX® P KS351 offers a very low heat seal temperature (10°C below that of ELTEX® P KS400 type random copolymers) and contains anti-block and slip additives. 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" and for cast film applications.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Food Contact Acceptable		
	Low Temperature Heat Sealability		
	Slip		
	Terpolymer		
Uses	Bi-axially Oriented Film		
	Cast Film		
	Film		
	Food Packaging		
	Packaging		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Cast Film		
	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.895	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.3	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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