

Pro-fax KF6100

Polypropylene Homopolymer

LyondellBasell Industries

Message:

KF6100 is a polypropylene homopolymer. With its broad molecular weight distribution and standard additive package, it is quite suitable for film extrusion on Stenter and Double Bubble lines. Potential end use applications include monolayer and coextruded BOPP film, foodstuff packaging, flower wrapping, paper lamination and even textiles.

General Information			
Additive	Unspecified Additive		
Features	Food Contact Acceptable		
	Homopolymer		
	Med.-Wide Molecular Weight Distrib.		
Uses	Bi-axially Oriented Film		
	Film		
	Food Packaging		
	Laminates		
	Strapping		
	Tape		
Agency Ratings	Textile Applications		
	EU Food Contact, Unspecified Rating		
FDA Food Contact, Unspecified Rating			
Processing Method	Film Extrusion		
	Tenter Process		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	35.0	MPa	ISO 527-2
Flexural Modulus	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (20°C)	4.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	88.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	151	°C	ISO 306

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