

Kinlead PL21 Lamination Grade BOPP Plain Film (thickness: 15 μm)

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

Material Notes:

PL21 is a general, lamination grade BOPP plain film. It is transparent and non heat sealable. It is excellent for extrusion lamination. It has excellent dimensional stability, high tensile strength, super clarity, and low haze. Both sides have corona treatment. It is widely used in laminating with paper or paper board and for book covers. Information provided by Kinlead.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kinlead-PL21-Lamination-Grade-BOPP-Plain-Film-thickness-15-m.php

Physical Properties	Metric	English	Comments
Thickness	15.0 microns	0.591 mil	± 3.5%; ASTM-252-78
Linear Mold Shrinkage	0.040 cm/cm	0.040 in/in	ASTM-D1204
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	ASTM-D1204

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	160 %	160 %	ASTM-D882
Film Elongation at Break, TD	60 %	60 %	ASTM-D882
Coefficient of Friction	0.25	0.25	T/T-US; ASTM-D1894
	0.25	0.25	T/O-US; ASTM-D1894
Film Tensile Strength at Break, MD	150 MPa	21800 psi	ASTM-D882
Film Tensile Strength at Break, TD	280 MPa	40600 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	1.2 %	1.2 %	ASTM-D1003
Gloss	92 %	92 %	ASTM-D2457
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Descriptive Properties	Value	Comments
Corona Treatment (Dyn)	37/38	ASTM-D2578
Wetting Tension (Dyn)	38/37	ASTM-D2578
Yield (mÅ²/kg)	73.3	Kinlead

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