

Kinlead PP11 Printing Grade BOPP Plain Film (thickness: 18 μm)

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

Material Notes:

PP11 is a general, printing grade BOPP plain film. It is transparent and non heat sealable. It has excellent ink adhesion. One side has corona treatment. It is widely used in printing applications. Information provided by Kinlead.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kinlead-PP11-Printing-Grade-BOPP-Plain-Film-thickness-18-m.php

Physical Properties	Metric	English	Comments
Thickness	18.0 microns	0.709 mil	$\hat{A}\pm 3.0\%$; 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	155 %	155 %	ASTM-D882
Film Elongation at Break, TD	60 %	60 %	ASTM-D882
Coefficient of Friction	0.35	0.35	T/T-US; ASTM-D1894
	0.40	0.40	T/O-US; ASTM-D1894
Film Tensile Strength at Break, MD	155 MPa	22500 psi	ASTM-D882
Film Tensile Strength at Break, TD	300 MPa	43500 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	0.90 %	0.90 %	ASTM-D1003
Gloss	94 %	94 %	ASTM-D2457
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Descriptive Properties	Value	Comments
Wetting Tension (Dyn)	38	ASTM-D2578
Yield ($\text{m}\hat{A}^2/\text{kg}$)	61.1	Kinlead

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