

SP95

Product Information

◆ Product Description

APT SP95 is a polyester film chemically treated on one side and corona treated on the other. The chemically treated surface provides excellent adhesion to various kinds of metals, inks and adhesives.

◆ Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	Gauge (micron)	48 (12)	
W.V.T.R.	g/m ² · 24hr	40	ASTM F372
Oxygen Permeability	cm ³ /m ² · 24 hr · atm	100	ASTM D1434
Density	g/cm ³	1.4	ASTM D1505
Mechanical			
Tensile Strength	psi MD (Kg/mm2) TD	44,000 (31) 39,000 (27)	ASTM D882
Elongation At Break	% MD TD	115 115	ASTM D882
Surface			
Static Coefficient of Friction	Corona to Chemical	0.42	ASTM D1894
	Corona to Corona	0.43	
	Chemical to Chemical	0.37	
Kinetic Coefficient of Friction	Corona to Chemical	0.38	ASTM D1894
	Corona to Corona	0.41	
	Chemical to Chemical	0.33	
Surface Tension	dyne/cm Chemical Treated	54	ASTM D2578
	Corona Treated	53	
Optical			
Haze	%	2.9	ASTM D1003
Light Transmission	%	90	ASTM D1003
Gloss (60°)		163	ASTM D523 / D2457
Thermal			
Heat Shrinkage	% MD	1.8	(150 °C x 30 min)
	TD	0.8	

Unit Correlation: Gauge = $\mu\text{m} \div 0.254$
psi = $\text{Kg/mm}^2 \times 1422.3$
N/mm² = $x \cdot 9.8$