

# REYNOLON<sup>®</sup>

## Shrink Packaging Film

# 5044

### Typical Property Data

#### Soft Touch, Medium Biaxial Shrinkage, Non-Food Packaging

5044 is an industry standard general purpose biaxial shrink film with outstanding sparkle and gloss for all non-food products. 5044 has high internal tear resistance and good memory. It offers wrinkle-free shrinkage on high profile and irregular shapes - with good storage characteristics, impact and abrasion resistance. Made of 62% non-petroleum resources and 100% vegetable based plasticizers. Available single wound or center-folded.

Properties	Units	Values												Test Method			
		MD		CD		MD		CD		MD		CD		MD		CD	
Gauge	-	50		60		75		100		125		150					
Yield	Sq.In./Lb.	39,400		37,100		30,700		23,300		19,300		16,100		D646	1260		
Single Wound Standard Footage	Feet	6,000		5,000		4,000		3,000		2,400		2,000					
Center-Folded Standard Footage	Feet	3,000		2,500		2,000		1,500		1,200		1,000					
Roll Weight	Lbs./In	1.83		1.62		1.56		1.55		1.49		1.49					
Density	gm/cc	1.31		1.31		1.31		1.31		1.31		1.31		D1505	1217		
Yield Strength	psi	4,800	4,500	4,800	4,500	4,800	4,500	4,800	4,500	4,800	4,500	4,800	4,500	D822	1254		
Tensile Strength	psi	13,000	10,000	13,000	10,000	13,000	10,000	13,000	10,000	13,000	10,000	13,000	10,000	D822	1254		
Elongation	%	130	165	130	165	130	165	140	200	140	200	140	200	D822	1254		
Shrinkage at 150°F	% Linear Dimensional Change	15	15	15	15	15	15	15	15	15	15	15	15	D2732	1257		
Shrinkage at 250°F		45	45	45	45	45	45	45	45	45	45	45	45	45	D2732	1257	
Shrink Force @ 250°F	psi	275	205	275	205	275	205	235	180	235	180	235	180	D1504	1249		
Haze	%	3.5		3.5		3.5		3.5		3.5		3.5					1262
Water Vapor Transmission	gm/24hr per 100 sq.in.	18		15		12		9		8		7					1264
Seal Range (Lap)	°F	280-310		280-310		280-310		280-310		280-310		280-310					1251
Slip-Coefficient of Friction	Static COF	0.2		0.2		0.2		0.2		0.2		0.2		D1894	1256		
	Kinetic COF	0.2		0.2		0.2		0.2		0.2		0.2		D1894	1256		

RTM - Reynolds Test Methods

ASTM - American Society for Testing and Materials

Special Gauges on Inquiry

Revision: February 2007

Information contained herein is intended only for evaluation by technically skilled person, with any use thereof to be at their independent discretion and risk. Such information is believed to be reliable, but Reynolds Packaging LLC shall have no responsibility or liability for results obtained or damages resulting from such use. Reynolds Packaging LLC grants no license under, and shall have no responsibility or liability for infringement of, any patent or other proprietary right. Sales of Reynolds Packaging LLC products shall be independent and subject exclusively to warranties set forth in Reynolds Packaging LLC order acknowledgement. The foregoing may be waived or modified only in writing by an Reynolds Packaging LLC officer.

