

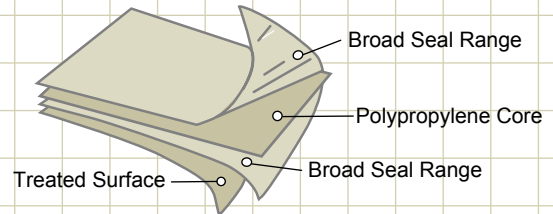
# PennPac

Providers of Flexible Packaging Solutions

## BPWSDB-E

### BIAXIALLY ORIENTED POLYPROPYLENE

- White Film
- Two Side Heat Sealable
- One Side External Treat



### Characteristics

- Excellent whiteness and gloss

### Applications

- Vertical form-fill-seal
- Horizontal form-fill-seal and flow wrap
- Printed and laminated structures
- Approved for food contact on acrylic side
- Packages for snack, cookies, chocolates, candies, ice cream, and pasta...

### Typical Values

Properties	Procedure	Unit	16	19	24	28
THICKNESS	DIN 53370	Gauge	75	98	130	155
		Micron	16	19	24	28
YIELD		m <sup>2</sup> /kg	62.5	52.6	41.7	35.7
		in <sup>2</sup> /lb	43,900	37,000	29,300	25,100
OPACITY	ASTM D 1003	%	57	60	66	70
SEAL STRENGTH		N/15mm	2.5	2.6	2.8	3.0
GLOSS	ASTM D 2457	u.b.			50	
SURFACE TENSION	ASTM D 2578	Dynes/cm			>38	
COEFFICIENT OF FRICTION	ASTM D 1894				0.25	
SEAL RANGE		°C			115-145	
TENSILE STRENGTH AT BREAK	ASTM D 882	N/mm <sup>2</sup> MD TD			140	
					260	
ELONGATION AT BREAK	ASTM D 882	%MD			170	
		%TD			50	
RESIDUAL SHRINKAGE	120C/5min	%MD			4	
		%TD			2	
WATER VAPOR TRANSMISSION	ASTM F 1249 38°C/90% UR	g/m <sup>2</sup> /24h	7.2	6.0	4.8	3.2

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