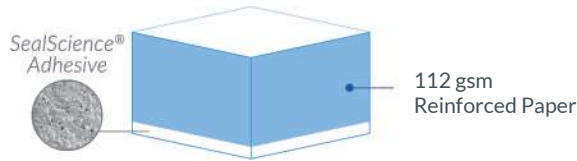


# SPR112

## 112 gsm Reinforced Paper with SealScience® Adhesive



### Description

SPR112 is a heat sealable, adhesive coated, medical-grade paper lidding material. The 112 gsm reinforced paper is a strong, breathable substrate with microbial barrier properties. The SealScience® adhesive coating uses controlled cohesive separation to prevent fiber tear, and creates clean, peelable bonds with visual seal indication.

### Typical Application

This product is compatible with ethylene oxide (EO) and gamma radiation sterilization. It seals to most flexible and rigid packaging materials.

### Bio-compatibility

SPR112 has been proven to be non-cytotoxic. Testing was conducted in accordance with ASTM F2475, standard guide for bio-compatibility evaluation of medical device packaging materials, which includes ISO 10993-5 in-vitro cytotoxicity testing. Results available upon request.

### Adhesive Color

Adhesive coating is available in white.

### Shelf Life

Accelerated aging studies conducted on this Oliver product demonstrate a shelf stability of up to 5 years. Most packaging materials are designed for stability over long periods of time provided good storage and handling practices are exercised.

### Storage Conditions

Keep product in original package. Product should be stored at ambient warehouse conditions.

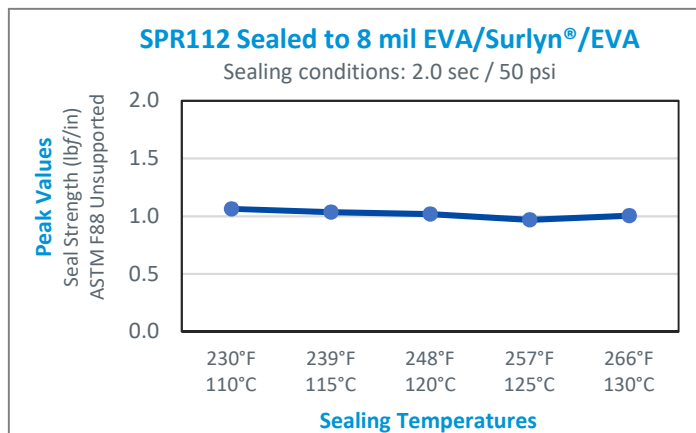
### Sealing Conditions

Optimum sealing conditions are highly dependent upon the materials being sealed, the equipment, and production rates. Our recommendation is to begin testing at 250°F (121°C), 2.0 seconds, 50 psi

Attribute	Test Method	Typical Value (US)	Typical Value (Int'l)
<b>PHYSICAL</b>			
Substrate basis weight	TAPPI T410	68.9 lbs/3000 ft <sup>2</sup>	112 g/m <sup>2</sup>
Adhesive coat weight	ASTM F2217	7.0 lbs/3000 ft <sup>2</sup>	11.4 g/m <sup>2</sup>
Total basis weight	—	75.9 lbs/3000 ft <sup>2</sup>	123.4 g/m <sup>2</sup>
Yield	Calculated	5,692 in <sup>2</sup> /lb	8.10 m <sup>2</sup> /kg
Thickness	ASTM F2251	6.7 mil	170 µm
<b>MECHANICAL</b>			
Tensile (MD)	TAPPI T494	42.5 lb/in	11.4 Kg/15mm
Tensile (CD)	TAPPI T494	27.2 lb/in	7.3 Kg/15mm
Elmendorf tear (MD)	TAPPI T414	0.20 lb	0.8 N
Elmendorf tear (CD)	TAPPI T414	0.22 lb	1.0 N
<b>PERMEATION</b>			
Porosity—Gurley	TAPPI T460	< 100 sec/100cc	—
Porosity—Bendtsen*	ISO-5636-3	—	> 114 ml/min

This information describes typical product characteristics for customer evaluation. It is not intended to be a final specification or warranty of performance. Seal data generated in laboratory.

\* Calculated value.



v2.2018 Note: Determination of the specific suitability of this product for individual applications is the sole responsibility of the purchaser. The information contained herein is correct to the best of our knowledge. Recommendations or suggestions are made without guarantee of representation as to results. Nothing in this disclosure of information shall be deemed by implication or otherwise to convey to the recipient of this information any rights under any patents, patent applications, trademarks, copyrights or invention owned by Oliver Products Company.

Oliver™, Ofilm®, Ofoil®, DurOfoil®, Xhale®, and SealScience® are registered trademarks of Oliver Products Company. Surlyn® and Tyvek® are E.I. DuPont Company registered trademarks.

