

eSORBA SSP series

Technical information (SS F-SD)

1. Introduction

eSORBA SSP series has low modulus and very soft property that enable this series to have a good conformability needed for sealing application while retaining same characteristics of SRP series such as good compression resistance, low outgassing, a good vibration damping etc. Due to these excellent properties, many designers in mechanical R&D continues to adopt SSP series to meet customer's demand for sealing application. These outstanding properties results from eSORBA's polymer structure comprised of micro cells (avg. size > 200 μ m). Each cell is either opened or closed, thus it is typically called semi-open cell structure.

In addition, SSP series is supported by 50 μ m PET film and the supporting film provides a good dimensional stability.

2. Representative Applications

- Main & Sub-LCD gasket for cellular phone, PDA, small game device
- Vibration damping around speaker, microphone, vibration motors in cellular phone
- Shock absorption pad for Notebook and small electronic devices

3. Technical data

All data hereunder are the representative value and do not mean the specification of the product. Also, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your own plant or laboratory.

Properties	Unit	Values	Test method
Thickness	mm	0.5 ~ 2.0	Thickness Gauge
Density	g/cm ³	0.25	ASTM D3574-05
Standard Color ¹⁾		Black	
25% CFD ²⁾	Kg/cm ²	0.07	ASTM D3574-05
Compression Set ³⁾	% average	3.0	ASTM D3574-05
Dimensional Stability ⁴⁾	% MD TD	0.14 0.02	22hrs at 80 °C
Outgassing	%	0.2	ASTM E595-06
Ball Rebound	%	29	ASTM D3574-05

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Properties	Unit	Values	Test method
Temperature resistance (constant use)	℃ max	70	AES J-2236
Temperature resistance (intermittent use)	℃ max	120	
Temperature resistance (Embrittlement)	℃	- 43	SKUTIS-QM-10
UV resistance ⁵⁾	Pass		

- 1) Different colors are available on request (Minimum quantity is applied)
- 2) 5.0mm/min strain rate, Force measured at 25% deflection
- 3) 50% compressed at 70℃ for 22hrs
- 4) 22 hrs at 80℃ in 80% moisture
- 5) UV acceleration Test. 340nm @ 70℃ for 200hrs

* SSP series is PET-supported grade. Therefore, mechanical properties such as tensile strength and elongation are same with those of PET.

4. Packing & Availability

- Log roll size
520 mm x 50 ~ 100m
- Packing
1 roll each , wrapped by PE bag in a carton box
- Export packing
240 ~ 288boxes in a 20ft dry container
- Available thickness
0.5 ~ 2.0 (standard size). Please contact us if other thickness is needed.

5. Storage

- Please keep in a dried condition at room temperature.
- For toxicity and other cautions, please refer to MSDS