

eSORBA SRP series

Technical information (SR A-SD)

1. Introduction

eSORBA SRP series has unique characteristics such as slow rebound, excellent compression resistance, low outgassing, a good vibration damping etc., which are needed to meet the requirement of many handheld electronics. These outstanding properties results from eSORBA's polymer structure comprised of micro cells smaller than 200 μ m. Each cell is either opened or closed, thus it is typically called semi-open cell structure.

In addition, SRP series is supported by 50 μ m PET film and the 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	0.4~2.0	Thickness Gauge
Density	g/cm ³	0.4	ASTM D3574-05
Standard Color ¹⁾		Black	
25% CFD ²⁾	kgf/cm ²	0.2	ASTM D3574-05
Compression Set ³⁾	% average	3.0	ASTM D3574-05
Dimensional Stability ⁴⁾	% MD TD	0.07 <0.01	22hrs at 80 °C
Outgassing	%	0.65	ASTM E595-06
Ball Rebound	%	21	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)	℃	- 26	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

* SRP 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
Max 240 boxes in a 20ft dry container

5. Storage

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