

## eSORBA SRP series

### Technical information (SR C-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 $\mu$ 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 $\mu$ 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	0.5~2.0	Thickness Gauge
Density	g/cm <sup>3</sup>	0.20	ASTM D3574-05
Standard Color <sup>1)</sup>		Black	
25% CFD <sup>2)</sup>	kgf/cm <sup>2</sup>	0.1	ASTM D3574-05
Compression Set <sup>3)</sup>	% average	2.4	ASTM D3574-05
Dimensional Stability <sup>4)</sup>	% MD TD	0.05 <0.01	22hrs at 80 °C
Outgassing	%	0.23	ASTM E 595-06
Ball Rebound	%	20	ASTM D3574-05

## eSORBA SRP series

### Technical information (SR C-SD)

#### 3. Technical data

Properties	Unit	Values	Test method
Temperature resistance (constant use)	℃ max	70	AES J-2236
Temperature resistance (intermittent use)	℃ max	120	
Temperature resistance (Embrittlement)	℃	- 17	SKUTIS-QM-10
UV resistance <sup>5)</sup>	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 50M~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