

## eSORBA SE C-SD series

### Technical Information

#### 1. Introduction

eSORBA SE series show a variety of functions thanks to its well balanced combination of hardness and density. A good vibration damping, excellent shock absorption, low compressibility make possible that this series has a lot of applications such as Automotive, Copier, Fax machine, handy game machine, etc. In addition, due to its high resilience, SE series also can be used for cushioning application.

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.

#### 2. Representative Applications

- Vibration damping around speaker, microphone, vibration motors
- Shock absorption for many electronic devices
- Imaging machine such as Copier, Fax and printer

#### 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 ~ 3.0	Thickness Gauge
Density	g/cm <sup>3</sup>	0.20	ASTM D3574-05
Standard Color <sup>1)</sup>		Black	
25% CFD	Kg/cm <sup>2</sup>	0.2	ASTM D3574-05
Compression Set <sup>2)</sup>	% average	< 10	ASTM D3574-05
Ball Rebound		50	ASTM D3574-05
Elongation	%	110	ASTM D3574-05
Tensile strength	Kg/cm <sup>2</sup>	1.8	ASTM D3574-05

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Properties	Unit	Values	Test method
Outgassing	Total mass Loss %	0.17	ASTM E595-06
Temperature resistance (constant use)	°C max	70	ASE J-2236
Temperature resistance (intermittent use)	°C max	120	ASTM D746-98
Temperature resistance (Embrittlement)	°C	- 38	SKUTIS-QM-10
UV resistance <sup>4)</sup>		Pass	

1) Different colors are available on request (Minimum quantity is applied)  
2) 50% compressed at 70 °C for 22hrs  
3) 22hrs at 80 °C  
4) UV acceleration Test. 340nm @ 70 °C for 200hrs

#### 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
- Available thickness  
0.5 ~ 3.0 (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