

## eSORBA HD series

### Technical Information (HD E-SD)

#### 1. Introduction

eSORBA HD series is designed for gap filling and vibration damping purposes requires high level of precision polymer design and quality control system. With the basic properties of standard esorba series, HD series has higher density and modulus to meet customer's expectation that does not allow any non-conformity to the standards. HD series has 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

- ↘ Gap filling
- ↘ Vibration damping

#### 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>	0.48	ASTM D3574-05
Standard Color <sup>1)</sup>		Black	
25% CFD	kg/cm <sup>2</sup>	2.3	ASTM D3574-05
Compression Set <sup>2)</sup>	% average	< 10	ASTM D3574-05
Hardness		45	Asker C
Elongation	%	> 150	ASTM D3574-05
Tensile strength	kg/cm <sup>2</sup>	15	ASTM D3574-05

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Properties	Unit	Values	Test method
Outgas	%	< 3.0	ASTM E-595
Temperature resistance (constant use)	°C max	70	AES J-2236
Temperature resistance (intermittent use)	°C max	120	
Temperature resistance (Embrittlement)	°C	-16	SKUTIS-QM-10
UV resistance <sup>3)</sup>	Pass		

1) Different colors are available on request (Minimum quantity is applied)  
2) 50% compressed at 70°C for 22hrs  
3) 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