

## eSORBA FriKon series

### Technical Information (FK J-SD)

#### 1. Introduction

eSORBA FriKon series has high modulus and hardness than any other eSORBA grades. A good combination of unique properties such as excellent gripping forces, high load bearing property and low contamination enables FriKon series to be the best choice for foot pad and bumping application. In addition, FriKon 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.

FriKon series is inherently flame retardant and conforms to the requirement for UL 94 HBF

#### 2. Representative Applications

- Foot pad for household appliances, electronic devices, speakers

#### 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>	0.50	ASTM 3574-05
Standard Color <sup>1)</sup>		Black	
25% CFD	Kgf/cm <sup>2</sup>	4.9	ASTM 3574 -05
Compression Set <sup>2)</sup>	% average	11	ASTM 3574-05
Dimensional Stability <sup>3)</sup>	% MD TD	0.28 0.27	
Elongation	%	129	ASTM 3574-05
Tensile strength	Kgf/cm <sup>2</sup>	27.9	ASTM 3574-05
Hardness	Asker C	70~80	

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Properties	Unit	Values	Test method
Outgassing	%	0.13	ASTM E 595-06
Temperature resistance (constant use)	°C max	70	AES J-2236
Temperature resistance (intermittent use)	°C max	120	
Temperature resistance (Embrittlement)	°C	- 30	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 in 80% moisture
- 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

#### 5. Storage

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