

## eSORBA ESP series

### Technical information (ES G-DP)

#### 1. Introduction

eSORBA ESP series is elastomer pad type product, which best suits for gasket application requiring fine fabrication and clean edge. Due to its polymeric characteristics, ESP series has high elongation and tensile strength and bring customers increased productivity by preventing the breakage of the pad during the assembly process. In addition, ESP series provides significant benefits to the customers who currently uses silicone pad by offering the process automation and a wide selection of double coated tape with much lower cost than silicone tape. ESP series is inherently flame retardant and conforms to the requirement for UL HB.

#### 2. Representative Applications

- LCD TV BLU gasket
- LCD TV top chassis gasket
- LCD monitor gasket

#### 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	0.1~1.0	Thickness Gauge
Density	g/cm <sup>3</sup>	1.07	ASTM D3574-05
Standard Color <sup>1)</sup>		Gray	
Dimensional Stability <sup>2)</sup>	% MD TD	0.35 0.24	22hrs at 80 °C
Elongation	%	200	ASTM D3574-05
Tensile strength	Kg/cm <sup>2</sup>	80	ASTM D3574-05
Tear strength	Kg/cm	1.57	ASTM D3574-05
Hardness	Asker C	75~80	ASTM D2240-A

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Properties	Unit	Values	Test method
Outgas	%	1.39	ASTM E595-06
Temperature resistance (constant use)	°C max	70	AES J-2236
Temperature resistance (intermittent use)	°C max	120	ASTM D 746-98
Temperature resistance (Embrittlement)	°C	- 42	SKUTIS-QM-10
UV resistance <sup>3)</sup>	Pass		

- 1) Different colors are available on request (Minimum quantity is applied)
- 2) 22 hrs at 80°C in 80% moisture
- 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  
240 ~ 288 boxes in a 20ft dry container
- Available thickness  
0.1 ~ 1.0 (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