



High EMI shielding and environmental sealing for doors and windows

## DESCRIPTION

SSDP Wire Mesh over Elastomer core Gaskets comprise of wire knitting on elastomer core. They can be of either NBR Foam, Neoprene, Silicone or EPDM. These gaskets:

- provide excellent EMI Shielding performance
- exhibit high degree of resilience

The wire knitting can be of SSD-T-SHIELD\* / Tin Plated copper / S.S / Monel.

## APPLICATION

SSDP Wire Mesh over Elastomer Core Gaskets can be used in applications which require resilient gaskets (for providing EMI Shielding of doors, etc.). These gaskets provide excellent sealing against:

- moisture
- dust
- air

## TECHNICAL SPECIFICATION:

Parameter	Specification
<b>Wire Knitting</b>	<ul style="list-style-type: none"> <li>• SSD-T-SHIELD*</li> <li>• Tin plated Copper</li> <li>• Stainless Steel</li> <li>• Monel</li> </ul>
<b>Wire Dia</b>	0.1 +/- 0.02mm Dia.
<b>Elastomer</b>	<ul style="list-style-type: none"> <li>• NBR Foam</li> <li>• EPDM</li> <li>• Neoprene</li> <li>• Silicone Solid</li> <li>• Silicone Sponge</li> </ul>
<b>Temperature Range [°C]</b>	<ul style="list-style-type: none"> <li>• -20°C to 110°C for NBR Foam</li> <li>• -35°C to 100°C for EPDM</li> <li>• -30°C to 100°C for Neoprene</li> <li>• -60°C to 260°C for Silicone Solid</li> <li>• -75°C to 205°C for Silicone Sponge</li> </ul>

## EMI SHIELDING PERFORMANCE:

Frequency	Shielding Effectiveness(dB)				
	Monel	Tin Plated Copper	SSD-T-SHIELD	3-LAYER	4-LAYER
100 kHz (H Field)	60	55	80	85	85
10 MHz (E Field)	125	115	130	135	135
1 GHz (Plane Wave)	90	85	105	105	110
10 GHz (Plane Wave)	80	75	95	95	100

\*SSD-T-SHIELD is a specially designed wire from SSD POLYMERS which consists of Tin, Copper and Iron.