



New Metals & Chemicals Ltd

Product Group : Conductive Silicone Sheet
Product : EC2040
 Nickel Graphite loaded silicone sheet—extra soft

Material Description

NewMet EC2040 is a nickel graphite loaded silicone product that is very soft. It is available in upto 6 metre rolls and upto 915 mm wide, to allow efficient processing. The material offers excellent compression set and fire retardance to UL 94 HB / V-1. The product exhibits volume resistivity of 0.2 ohm cm, and shielding effectiveness of upto 120 dB. It is available as sheet, tape and gasket, with or without conductive pressure sensitive adhesive.

Product Features

- **Electrically Conductive**
- **Soft—40 shore A**
- **Upto 6 metre rolls available and upto 915 mm wide for efficient processing**
- **UL94 HB / V-1**
- **Upto 120 dB shielding effectiveness**
- **Temperature range – 55 degrees C to +200 degrees C**

Typical Properties

Property	Value
Specific Gravity	2.18
Shore A hardness	40
Compression Set @70°C 25% compression	3 ASTM D3574
Volume Resistivity	0.2 Ohm.cm
Shielding Effectiveness MIL G83528	dB
100 MHz	120
500 MHz	120
1 GHz	110
10 GHZ	85

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