MacLellan
Polymers to Industry

Data Sheet	SI60 Conductive Black Silicone
Data Sheet Type	Final
Material Reference	SI60 Conductive
Polymer	Silicone
Date Issued	02/06/26

Description

Electrically conductive grade silicone sheeting is carbon black filled that will act a a low amperage conductor and will provide protection against electrostatic discharge. The material is designed to be used in a variety of applications and is resistant to extreme temperatures.

Specifications	Values	Test Methods
Compression Set	26 %	ASTM D395 Method B
Electrical Conductivity	5 Ohms cm	ASTM D991
Elongation at Break	260 %	ASTM D412
Highest Recommended Working Temperature	225 °C	None
Lowest Recommended Working Temperature	-62 °C	None
Shore Hardness (Shore A)	65 ° Shore	ASTM D2240
Specific Gravity	1.17 g/cc	ASTM D297
Tear Strength	8 KN/m	ASTM D624 Die B
Tensile Strength	5.2 MPA	ASTM D412

Purposes

Ozone Resitance

Weather Resistance

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.