RUBBERCRAFT

Compound Technical Data Sheet

38550C Silicone Rubber

PRODUCT DESCRIPTION

Rubbercraft compound number 38550C is a premium grade, 50 Durometer, Shore 'A' hardness Silicone compound that is formulated for the production of very high strength, high elongation, and high tear resistant sheet materials. Compound 38550C can be utilized in both high and low temperature applications.

When properly processed and post cured, 38550C will meet the 15 second Horizontal Burn requirements of 14 CFR 25.853.

TYPICAL PROPERTIES

Property	Test Method	Typical Values
Durometer hardness, shore A	ASTM D 2240	50 ±5
Tensile strength, PSI	ASTM D 412	1300
Elongation, %	ASTM D 412	800
Tear resistance, ppi	ASTM D624, Die B	240
Specific gravity	ASTM D 297	1.15
Dynamic use temperature range	Degrees F	-90° to +450°
Flammability	14CFR 25.853, Appendix F (a)(1)(iv) 15 second, Horizontal Burn - 2.5"/min max. Burn Rate	Pass
Standard Color*	-	Grey

* Custom Colors can be requested through special order.

The information contained in this document is based on reliable sources, test data and our experience. We believe it to be accurate. However, it is intended only as a guide to use at your discretion and should not be used to determine specifications. The performance of this product depends on many factors not necessarily in Rubbercraft's control. Rubbercraft is not responsible for suitability. Therefore, it is strongly recommended that you test components using this product in your assembly, using your equipment, materials, and manpower. There are no warranties regarding the data presented in this document. Rubbercraft assumes no liability for special or consequential damages. .