RUBBERCRAFT

Compound Technical Data Sheet

3647 Silicone Rubber

PRODUCT DESCRIPTION

Rubbercraft compound number 3647 is a platinum cured, translucent, 40 durometer, shore A hardness, silicone rubber that is formulated specifically for use in composite forming and manufacturing processes such as reusable vacuum bags, bladders, debulk table lids and hot drape formers.

Colors*: 3647 is normally furnished as a translucent material but like most silicone rubbers, can be pigmented as would be indicated by the dash numbers in the furnished compound number.

(Example: 3647 = Translucent, 3647 = Red Color, etc)

TYPICAL PROPERTIES

Property	Test Method	Typical Values
Durometer hardness, shore A	ASTM D 2240	40
Tensile strength (PSI/GPa)	ASTM D 412	1200 / 8.2
Elongation (%)	ASTM D 412	500
Tear strength, die B, (PPI/kN/m)	ASTM D 624	90 / 15.7
Specific gravity (g/cm^3)	ASTM D 297	1.12
Compression set (%)	ASTM D 395 Method B 22 Hours @ 347°F / 175°C	<20%
Dynamic use temperature range	Degrees °F / °C	-80°F to 400°F / -27°C to 204°C

*As stated 3647 can be pigmented, however only the translucent material has been mixed or tested. The addition of pigments usually do not have any detrimental effect on physical properties.

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 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.