RUBBERCRAFT

Compound Technical Data Sheet

3555 Silicone Rubber

PRODUCT DESCRIPTION

Rubbercraft compound number 3555 is a peroxide cure, grey, 50 Durometer, Shore A hardness, silicone rubber that is formulated specifically for use in composite forming and manufacturing processes, such as re-usable vacuum bags (RVB's), bladders, debulk membranes for preforms and lay up operations and final cure processing.

3555 exhibits good tear and flex resistance.

Colors*: 3555 is normally finished as a grey material, but like most silicone rubbers can be pigmented.

TYPICAL PROPERTIES

Physical Properties	Test Method	Typical Values
Specific Gravity (g/cm^3)	ASTM D297	1.16
Hardness/Durometer (Shore A)	ASTM D2240	50
Tear Strength (PPI/kN/m)	ASTM D624, Die B (75°F)	175 / 30.1
Tensile Strength (PSI/GPa)	ASTM D412	1500 / 10.3
Elongation at Break (%)	ASTM D412	850
Temperature Use Range	Industrial Rating	-65°F to 400°F / -55°C to 200°C
Compression Set (%)	ASTM D395, Method B 70hours @ 212°F / 100°C	9%
Hardness Change (Shore A)	ASTM D2240	+5
Tensile % Change	ASTM D412	-13%
Elongation % Change	ASTM D412	-25%

*As stated 3555 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.