

# Diversified Silicone Products, Inc.

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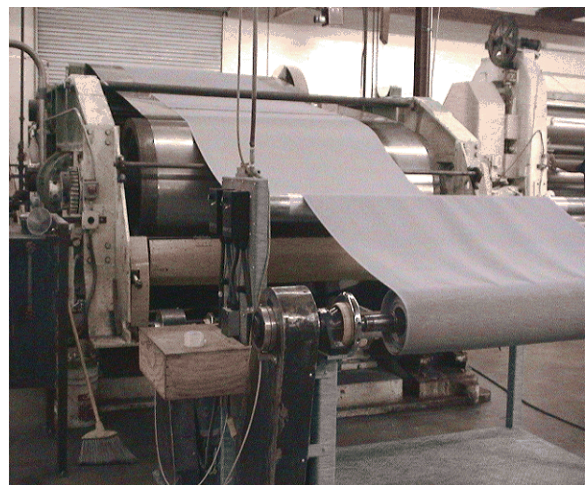
## “DSP50VB” HIGH STRENGTH SILICONE SHEET Fine Fabric Impression

### DESCRIPTION:

This particular specially compounded formulation is produced specifically for the Aerospace/Aircraft manufacturing facilities throughout the world. It meets all the stringent requirements of the Federal Procurement Specification known as ZZR-765E Class 3B Grade 50. This 50 durometer high strength silicone sheet is produced with a fine textured fabric finish on both sides. This finish is highly sought after because of its ability to very quickly wick out all air during Vacuum Bagging procedures. It has amazing reusability, durability and it also will Slide or Float over layed up parts with great ease. This product has extraordinary “Drawdown” strength and resiliency. This makes it’s performance remarkable when exposed to the high pressures and elevated temperatures it can encounter in autoclaves during cure cycles of composite structures. In the cured or uncured form it allows the fabricator unparalleled versatility in designing intricate shapes and contours. Another characteristic is it's excellent resistance to weathering, ozone, hot water, low pressure steam, alcohols, diethelyene glycol and average resistance to petroleum base oils. However, it is not recommended for service in aromatic solvents, fuels, chlorinated solvents and acids. When speaking of service temperature ranges one can consistently expect -100F to +450F. This high strength silicone sheet is available in both the Uncured and Cured form in a wide variety of thicknesses. Also, the widths of these sheets are available up to 55" wide. The physical properties below are for the most popular high strength silicone sheet.

### TYPICAL PHYSICAL PROPERTIES:

Shore (A) Hardness	50 +/-5
Tensile Strength	1300 ppi
Elongation at Break	800 %
Modulus at 300% Elongation	400 ppi
Tear Strength	240 ppi
Compression Set (22hrs @ 350F)	19%



The above values are typical properties and are provided for information only. They should not be used to set specification requirements. It is up to the end user to determine whether the material is suitable for the intended application. Sellers & manufacturers only obligation shall be to replace such quantity of the product found to be defective.