

Product : SuperLite VGX® **Grade :** SLVGB.1BP047

Status⁴ : Developmental

Revision : 1

Date : 4-Apr-2008

General Description

AZDEL SuperLite VGX SLVGB.1BP047 is a thermoplastic composite sheet comprised of a low-density polypropylene and chopped glass-fiber core, combined with a PET scrim attached to both surfaces. This material is typically used as a substrate in semi-structural applications where a very high strength-to-weight ratio is required, and is specified by thickness rather than basis weight.

Construction Code	Surface A	Surface B
BP	Light weight PET scrim	Light weight PET scrim

Typical Properties

Property	Test Method	Unit	Target Value
Basis Weight (mass-per-unit-area)			
- Low density Core	ASTM D-3776	g/m ²	1450
- Total (including scrim)	ASTM D-3776	g/m ²	1490
Sheet Thickness (as produced)		mm	4.7
Color			
- Low Density Core	Visual		Natural
- PET Scrim	Visual		White
Mechanical Properties			
- MD ² Flex. Slope	ISO 178	N/cm	495
- TD ³ Flex. Slope	ISO 178	N/cm	432
- MD Flex. Peak Load	ISO 178	N	77
- TD Flex. Peak Load	ISO 178	N	70
- Average Flex. Peak Load	ISO 178	N	74
- MD/TD Peak Load Ratio	ISO 178		1.1

Notes

1. Measured on flat plaques.
2. MD = Properties measured in the as manufactured Machine Direction.
3. TD = Properties measured perpendicular to the as manufactured Machine Direction (i.e.; Transverse.)
4. The final properties of this Product have not been determined, nor has its suitability for any particular application. Data provided in this datasheet is limited and preliminary and may change with the further development of the Product. AZDEL may not yet have experience in manufacturing commercial amounts of this Product. Therefore, AZDEL cannot guarantee that it will make commercial amounts of this Product to meet any product requirements, such as construction, mechanical properties or any other material property. Furthermore, AZDEL cannot make a commitment to the outcome or timing of any material regulatory compliance or agency listing status relating to this Product. Product nomenclature for this Product can, and probably will, change when it becomes commercially available.

AZDEL, Inc.

300 Enterprise Drive, Suite A, Forest, VA 24551, USA

Tel: (800) 635-7021 • Fax: (434) 455-2785 • Email: sales@azdel.com • www.azdel.com

In as much as AZDEL has no control over the use to which others may put our material, it does not guarantee that the same results as those described herein will be obtained. Nor does AZDEL guarantee the effectiveness of safety of any possible or suggested design for articles of manufacture as illustrated. Each user of the material or design or both should make his/her own tests to determine the suitability of the material or any material for the design, as well as the suitability of the material or design or both for his/her own particular use. Statements concerning possible or suggested use of the materials or design are not to be construed as constituting a license under an AZDEL patent covering such use or as recommendations for use of such materials or designs in the infringement of any patent.