

Product : SuperLite VGX® **Grade :** SLVGXB.1BP027

Status⁴ : Developmental

Revision : 1

Date : 4-Apr-2008

General Description

AZDEL SuperLite VGX SLVGXB.1BP027 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	900
- Total (including scrims)	ASTM D-3776	g/m ²	940
Sheet Thickness (as produced)		mm	2.7
Color			
- Low Density Core	Visual		Natural
- PET Scrim	Visual		White
Mechanical Properties			
- MD ² Flex. Slope	ISO 178	N/cm	174
- TD ³ Flex. Slope	ISO 178	N/cm	133
- MD Flex. Peak Load	ISO 178	N	38
- TD Flex. Peak Load	ISO 178	N	31
- Average Flex. Peak Load	ISO 178	N	35
- MD/TD Peak Load Ratio	ISO 178		1.3

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.

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