

2100

Vitel[®] Adhesives

Product Description

VITEL 2100B is a thermoplastic, high molecular weight, aromatic, linear saturated copolyester resin. It is a hard, resinous material exhibiting high tensile strength and low elongation. This resin finds specialized use either alone or in applications where high cohesive strength is of primary importance. Vitel 2100B is slightly less soluble than Vitel 2200B. Therefore, one may formulate base coats from Vitel 2100B that should show improved solvent resistance.

Product Applications

- Primers for PET films
- Clear or pigmented coatings

Product Benefits

- Good electrical properties
- Good UV Resistance
- Improved solvent resistance

Typical Properties

Property	Limit	Test Method
Form	Granulated resin	
Color	Clear to pale green	
Specific Gravity	1.27	
Tg	66°C	
Inflection		
Intrinsic viscosity	0.59	QC8K
Color		QC45
L*	92 min.	
b*	38 max	

Directions for Use

When Vitel 2100B is applied from solvent, solvent selection is important. Vitel 2100B is typically solvated in MEK, MEK/Toluene blends, cyclic ethers, chlorinated or stronger solvents. When applied via extrusion, the resin should be dried first.



Thermal

Melt Flow, (ASTM E 28-67):	150°C
Minimum heat seal:	
Amorphous	77
Melt index, 2160 gm load, gm/min. At 190°C:	
Dried:	8
50% RH	18
95% RH	25
Melt Viscosity (Poise)	
190°C	10,900
215°C	3,280
240°C	1,130

Storage and Handling

Read MSDS before opening container.

Like all synthetic resins, Vitel 2100B can retain or develop static charge due to its handling. Precautions against static discharge should be taken particularly where solvent vapors exist. Otherwise no special precautions are necessary in handling this material.

Further Information

Please refer to MSDS for complete details.

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APPLICATION CHARACTERISTICS:

V2100B

For performance test characteristics please contact your Bostik Findley sales or technical representative.

STORAGE:

Can be stored 0 days in a clean dry place, in its original package at an average temperature of 25°C or below. Storage temperature should not exceed 40°C.

PACKAGING:

For packaging options please call your Bostik Findley sales or technical representative.

SAFETY AND HANDLING:

Clean-up Procedure: Mineral oil or paraffin wax, not to exceed flash point as stated on the MSDS, followed by a thorough purge with the adhesive itself.

Material Safety Data Sheet should be consulted for proper handling before use.

Wear safety gloves and goggles when handling molten adhesive to minimize the risk of burns.

Keep containers covered to minimize contamination.

Issued 30-Apr-1997

Modified 12-Apr-2001

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PRODUCT # V2100B

DESCRIPTION: Polyester

SUGGESTED USES:

CHARACTERISTICS:

TECHNICAL PROPERTIES:

Thermoset Viscosity

Approximately

Density

1.246 g/cc @ 77 F (25 C)

Softening Point - N/A

Suggested Running

Temperature: 0 - 0 F (-18 - -18 C)