



Sealants, Inc.

PRODUCT DATA

565BC.12

PANLASTIC BEAD SEALANT with NYLON CUBES **BMC Part Numbers: 025390, 027893, 042715, 042717**

DESCRIPTION:

Panlastic Bead Sealant, 565BC.12, is manufactured with nylon cubes embedded in the material to prevent squeeze-out of material between substrates. Panlastic contains a crosslinked terpolymer butyl sealant to give it outstanding low temperature properties, excellent resiliency, 25% joint movement capabilities at high and low temperatures and excellent non-flow resistance at elevated temperatures. It has excellent adhesive and tack characteristics over a wide temperature range. Panlastic does not harden, crack, shrink or lose adhesion on aging. It is chemically inert, non-toxic, non-corrosive to paint, galvalume, aluminum, and plastic. It will not cause rubber parts to swell. When bonded to clean surfaces, Panlastic will yield a 100% cohesive failure when the bond is broken.

Panlastic Bead Sealant is designed to seal exposed joints against infiltration of air, dust, water, and pollutants. Because of its excellent adhesion, high resistance to chemical attack, resiliency, non-flow characteristics, and clean working properties, it can be used in a wide range of applications. It is excellent for sealing end, side and roof laps of metal building panels.

Panlastic meets Butler Specification 10,150.06. Panlastic Bead Sealant is manufactured in convenient ready-to-use tapes, tri-bead tapes, pads, and beads of various sizes. The adhesive and tack properties of this material will not transfer to the hand.

TYPICAL CHARACTERISTICS:

Color (ASTM D1729):	Off-white or light gray
Odor (ASTM D1833):	None
Service Temperature:	-70°F to 200°F.
Weight per Gallon (ASTM D71):	10.3 ± 0.5 pounds/gallon
Percent Solids (ASTM C771):	>99%
Flexibility (ASTM C765):	Passes 3/8-inch mandrel bend @ -70°F after exposure to three cycles of 16-hours @ 160°F and 8-hours @ 0°F.
Cone Penetration (ASTM D217):	
@ 0°F	≥ 50 dmm
@ 75°F	≤ 100 dmm
@ 120°F	≤ 135 dmm

Vehicle Bleedout:	No staining or evidence of fluid migration on Whatman #40 filter paper after sealant contact and storage at 160°F for 168-hours.
Staining (ASTM D925, Method A):	No staining of painted metal after 168 hrs.
Corrosivity:	No evidence of pitting or corrosion of galvanized steel, aluminum-zinc coated steel or aluminum after immersion in water at 160°F for 168-hours.
Elongation and Webbing: @ 77°F @ 32°F	900% elongation (typical) without water leaks. 450% elongation (typical) without water leaks.
Tensile Strength (ASTM C907):	20 psi (typical) with a cohesive failure.
Weatherability (ASTM D750):	No apparent change of physical properties after 1000-hours in QUV exposure. Slight discoloration of sealer.
Paper Release:	Release paper comes off of sealer cleanly up to 130°F.
Dimensional Stability:	Sealer roll will not sag more than ¾-inch after 48-hours when tested to Butler Specification 10,150.06.
Freeze – Thaw Stability:	Passes 100,000 cycles.
Compressibility:	Easily compressible down to 40°F.
Elastic Recovery:	> 75% elastic recovery.
Shelf Life:	12-months in sealed carton at ambient temperature.

SPECIFIC REGULATIONS:

Federal Specification:	TT-C-1796A, Type II, Class B.
FDA Regulation:	Meets FDA Regulation, CFR Title 21, food additives, sub-part F, sub-paragraph 175.105 being composed of ingredients acceptable for packing and transporting food.
NAAMM:	Meets Standard SS-1C-68.
LEED:	Conforms to Leadership in Energy and Environmental Design (LEED) for New Construction Version 2.2, Indoor Environment material: Section 4.1, Low Emitting Materials: Adhesive & Sealants (SCAQMD) Rule # 1168, VOC limits.

USDA:

Is acceptable to the U. S. Department of Agriculture for use in meat and poultry processing areas under Federal Inspection.

For technical assistance, customer service and general information, please contact us at:

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