P520

Date
09-2017

INDUCLEAN TAPE FOR HARSH WASHDOWN ENVIRONMENTS

Description

P520 is a durable, print on demand pressure sensitve adhesive product for the Food and Beverage Processing Industry.

Material	Polyester	**Service temperature**	-40°C / 110°C
Finishing	Matt	**Certificates**	RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC
Standard colors	White and yellow	**Print technology**	Thermal transfer
Adhesive	Permanent pressure sensitive acrylic	**Ribbon(s)**	AR-00
Special properties	Durable label construction is tough against harsh washdown environments and has been tested at washdown temperatures up to 175° F (80° C) and pressures up to 1500 PSI. Individual performance will vary based on application location and specific washdown conditions and procedures.		

Details

Substrate Type:
Polyester

Thickness (PSTC133)
.007 in. (.2mm)

Adhesive Properties
Adhesion to Steel (PSTC-101)
15 Minute Dwell (Avg.) --
55 oz/in (60 N/100mm)
Ultimate Dwell (72 hrs) (Avg.) --85
oz/in (93 N/100mm)

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A)
CS-10 wheels, 500 g wts
The printed legend withstands up to 250 cycles

Minimum Application Temperature
40° F (4°C)

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Chemical Resistance:/ Test results

P520 has been developed and tested for durability against a variety of Food and Beverage Industry cleaning and sanitizing solutions. Samples were printed with R6000 ribbon on the BBP® 31 Sign and Label Printer, laminated to 304 stainless steel 2B finish panels and soaked in solutions containing the following reagents:

Reagent	Type	Condition	Print Performance	Adhesive Performance
EnforceTM LP	chlorinated alkaline cleaner	50°C	NE	NE
HD PL10TM Plus	inorganic acid cleaner	RT	NE	NE
Heavy Duty Acid LC30	strong acid cleaner	70°C	NE	NE
Soil OffTM II	alkaline/near neutral cleaner	50°C	NE	NE
Madisan 75	quarternary amine sanitzer	RT	NE	NE
VortexxTM	peroxy acid/organic acid sanitizer	50°C	NE	NE
XY12®	sodium hypochlorite sanitizer	RT	NE	NE

NE = No Effect
NT = Not Tested
F = Failed (affected Sample)

Chemical Resistance testing in the above chemicals was performed by completing 10 cycles of 10 minute dips with 20 minute rest periods between cycles. After the 10th cycle sample text was rubbed with a cotton-tip swab.

Storage

Shelf life is two years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual applications.

Performance Expectations

The performance of Induclean signs, tags and labels may vary based upon the specific environment it is subjected to (including variation in chemicals, water pressure, water temperature, and abrasive materials used during the wash down process). To ensure the performance meets user's requirements, Induclean signs, tags and labels should be tested in user's specific environment with consistent monitoring.

Note

All values shown are averages and should not be used for specification purposes. Test data and test results contained in this document are for general information only and shall not be relied upon by Altec customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Altec for further information. Product compliance information is based upon information provided by suppliers of the raw materials.

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