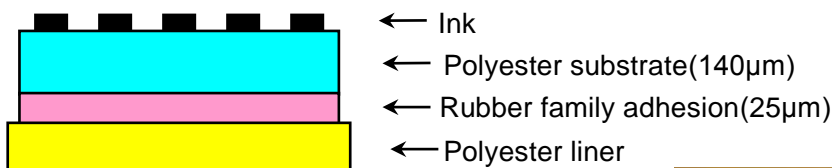


DURATAACK PG

DURATAACK PG can be attached to green rubber compound and by going through the vulcanization process, it will be strongly bonded and fused to cured rubber.

Structure



Properties

- It will be fused together to cured rubber after the rubber vulcanization process.
- There will be no contamination or damage on tooling caused by label contents after vulcanization.
- Clear print and accurate readability will let you manage throughout the rubber processing from beginning to the final shipment.

Usage example

- Production process control of the automobile tire
- Production process control of rubber belt etc.

Notes: Please contact Nitto sales rep for the application on special rubber.

General characteristics

● Adhesion property at room temperature and at 170deg.C

temperature	adhesion(N/10mm)
23deg.C	88
170deg.C	37

The adhesion force after vulcanization was measured.

● Testing Compound Component

component		NR/BR
1	NR (natural rubber)	70
2	BR (butadiene rubber)	30
3	carbon black	60
4	thiuram family agent	ab. 6
5	else (stearic acid & zinc oxide ect.)	ab. 10

【Vulcanization Condition】 Testing Condition: 170deg.c x 11min. 20MPa

● Barcode Readability

Marked ANSI Class A readability both initial and after vulcanization.

Bar code quality after the vulcanization

	Initial		160C*20min		170C*15min		180C*10min	
	%	CLASS	%	CLASS	%	CLASS	%	CLASS
Reference Decode	-	A	-	A	-	A	-	A
Decodability	84	A	87	A	88	A	85	A
Symbol Contrast	86	A	92	A	88	A	88	A
Refl(min)/Rele(Max)	1	A	2	A	2	A	2	A
Edge Contrast(min)	77	A	78	A	79	A	77	A
Modulation	90	A	85	A	90	A	88	A
Defects	15	A	14	A	14	A	10	A
ANSI CLASS	A		A		A		A	

Remark: Used Barcode tester "Auto Scan II" made by RJS to test readability quality.

Production process of the tire and DURATAACK PG

Printed Duratack PG is applied on the green tire before vulcanization. Duratack PG makes it easy to control final inspection of tire and distribution.



Doc No. BC-007-E-3 2014/06/23 3/4

Notes: This data represents examples of measured values, and not guaranteed values. They do not guarantee compatibility with the applications described in these documents. Please confirm compatibility with your application prior to use. We retain all rights, including copyrights, for the contents of these documents. Copying, reprinting and use for purposes other than originally intended are strictly prohibited without our prior expressed permission. Contact details are provided at the end of this document. Please do not hesitate to contact us for any inquiry.

Precautions

- Wipe oil, moisture, and dust off the surface of adherends thoroughly before application.
- The adhesive is pressure-sensitive. Handle it with utmost care.
- Most recommended temperature for adhesion is above 10°C. (If the temperature is below 10°C (like in winter), their initial adhesive strength will be low.)
- Keep the products away from high temperatures and humidity, and store them in a dark cool place avoiding direct sunlight.

Doc No. BC-007-E-3 2014/06/23 4/4

Notes: This data represents examples of measured values, and not guaranteed values. They do not guarantee compatibility with the applications described in these documents. Please confirm compatibility with your application prior to use. We retain all rights, including copyrights, for the contents of these documents. Copying, reprinting and use for purposes other than originally intended are strictly prohibited without our prior expressed permission. Contact details are provided at the end of this document. Please do not hesitate to contact us for any inquiry.