TESTING

Test data conducted by independent testing facilitates in the U.S. and Europe

Safety Seal +Plus+The Liquid Patch Tire Repair System

INDEX
A  EC-R High Speed Test
B. EC-R High Speed Test
C. ECE-R54 Truck Tire Test
D  EC-R 30 High Speed Test
E  EC-R 30 Run Flat-High Speed
F  EC-R 30 Run Flat-High Speed
G  FMVSS-139 Endurance
H  FMVSS-139 High Speed+Endurance Test
I  FMVSS-139 Endurance Test
J  DOT 109 Endurance Test
K  Long Term Truck Tire Endurance Test

For additional information visit: www.nsslsales.com
EC-R 30
HIGH SPEED TEST

Test Date: 2/20/15
Testing Facility: TUV Nord Mobilitat GMBH E Essen Germany

Test Tire: Dunlop Sportmaxx GT Y Rating +300 Km/h 265/35 R119 T
Tire#: 22480 One 5MM/.20 in puncture in tread.
Load: 510 kg @ 3.2 bar

Test Type: EC-R 30

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<th>Speed (km/h)</th>
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RESULTS

Tire punctured 5mm/.20 Puncture repaired with Safety Seal +Plus+ The Liquid Patch Tire Repair System. Following ECR-30 Test protocols of load/speed/duration. After testing tire maintained inflation pressure with no damage to tire and repair.
EC-R 30
HIGH SPEED TEST

Test Date: 2/20/15
Testing Facility: TUV Nord Mobilitat GMBH E Essen Germany
Test Tire: Dunlop SP Quartomaxx
  V Rating +240 km/h 235/65 R17 T
  Tire#22479. One 5MM/.20 in p puncture in tread.
Load: 728 kg @ 3.0 bar
Test Type: EC-R 30 +

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RESULTS
Tire punctured 5mm/.20 Puncture repaired with Safety Seal +Plus+ The Liquid Patch Tire Repair System. Following ECR-30 Test protocols of load/speed/duration. After testing tire maintained inflation pressure with no damage to tire and repair.
Test Date: 11/28/08
Testing Facility: TUV Nord Mobilitat GMBH
Essen Germany
Test Tire: Continental 315/80 R22,5
Tire#21989
Load Capacity: 4000 kgs Single 3350 kg Twin
One 6MM/.235 in puncture in tread
Load: 3750 kg @ 9.0 bar

Test Type: ECE-R54
Total Test Time 47 Hours.
Tire run:
7 hours @ 43 MPH 66% load,
16 hours @ 43MPH 84% load,
24 hours @ 43MPH 101% load.

RESULTS
Tire shows no air loss or structural defects.
Inspection of the repairs at inner show repairs to be completely intact and perfectly adhering to inner liner.
EC-R 30
High Speed Test

Test Date: 6/20/2006
Testing Facility: TUV Nord Mobilitat GMBH Essen Germany
Test Tire: Pirelli PZero Rosso Y Rating 1 180mph 225/45 R17 Tire#19185.
One 6MM/.235 in puncture in tread
Load: 418 kg @ 3.2 bar
Test Type: EC-R 30 + additional step. Tire taken up to maximum rated speed 180MPH in steps over 1 hour with last 10 mins @180mph. Tire then run for an additional 10 minutes at 192MPH exceed EC-R30.

RESULTS

After test completion tire shows no air loss or structural defects. Inspection of the repairs at inner show repairs to be completely intact and perfectly adhering to inner liner.
Test Date: 6/20/2006
Testing Facility: TUV Nord Mobilitat GMBH Germany
Test Tire: Eagle NCT-5 Run Flat V Rating +130 mph 205/55 R16 Tire#19186. One 6MM/.235 in puncture in tread
Load: 448 kg @3. bar
Test Type: EC-R 30 + additional step. Tire taken up to maximum rated speed(144MPH) in steps over 1 hour with last 20 min. @144mph. Followed by tire deflated “Run Flat” @48mph for 1 hour. Tire re-inflated and tested for air retention.

RESULTS
Tire shows no air loss or structural defects. Inspection of the repairs at inner show repairs to be completely intact and perfectly adhering to inner liner.
Test Date: 6/20/2006
Testing Facility: TUV Nord Mobilitat GMBH Essen Germany
Test Tire: Eagle NCT-5 Run Flat V Rating +130 mph 205/55 R16 Tire#19187. One 6MM/.235 in puncture in tread
Load: 448 kg @ 3,0 bar
Test Type: EC-R 30 + additional step. Tire run deflated “Run Flat” one hour at 48 Mph(superseding EC-R30). Tire immediately re-inflated then taken up to maximum speed 144mph in steps over one hour with last 20 minutes at 144mph. Tire checked for air retention.

RESULTS
After test completion tire shows no air loss or structural defects. Inspection of the repairs at inner show repairs to be completely intact and perfectly adhering to inner liner.
FMVSS-139 ENDURANCE TEST


Test facility: Smithers Scientific Services

Test Tire: Eagle GT HR P205/65R 15 92H Tire #364-0036
4 x ¼” punctures in tread.

Load: 1400 26psi

Test Type: FMVSS-139 Endurance 100.33 hours 7426 miles @75 mph.

RESULTS

Tire shows no loss of air or structural defects. Inspection of the repairs at inner liner show repairs to be completely intact and perfectly adhering to inner liner.
FMVSS-139
HIGH SPEED TEST
+ ENDURANCE TEST

Test date: 3/03/2004-3/03/2004

Test facility: Smithers Scientific Services

Test Tire: Eagle GT HR P205/65R 15 92H Tire # 364-0037
4 x ¼” punctures in tread.

Load: 1190 32 psi

Test Type: FMVSS-139 High Speed + Endurance 350 hours 241 miles Max speed 1.20 hours @ 99mph

RESULTS
After test completion tires shows no loss of air or structural defects. Inspection of the repairs at inner liner show repairs to be completely in tact and perfectly adhering to inner liner.
Test Date: 03/03/2004-03/05/2004

Testing Lab: Smithers Scientific Services

Test Tire: Goodyear Wrangler RT/S
  LT245/75R16 Tire No-364-0038
  4 x ¼” punctures in tread 3042 lbs.
  59 psi.

Test Type: FMVSS-139 Endurance
  Total test duration 35.50 hours 2663 miles @75 mph.

RESULTS

After test completion tires shows no loss of air or structural defects. Inspection of the repairs at inner liner show repairs to be completely intact and perfectly adhering to inner liner.
J

DOT 109
ENDURANCE TEST

Test Date: 12/4/1996-2/7/1997

Testing Facility: Smither’s Scientific Services

Test Tire: Michelin XGT-V4
205/60R 15 Tire #364-0034
Two ¼” punctures in tread

Test Type: DOT 109 ENDURANCE
60,013 mile-1200 hrs
Load: 1153 lbs@30psi

RESULTS

Tires show no loss of air. Inspection repairs at inner show repairs to be completely intact and perfectly adhering to inner liner.
Long Term
Truck Tire Endurance Test

Test date: 1/30/2001-11/27/2001
Testing facility: Severance Trucking Co. Dracut Ma.
Test Tire: Bridgestone V Steel Rib 11R22.5
Load Rating: G Plies 14
Test Type: One 5/16” puncture in tread area on outside tire 40Ft Tandem repaired at North Shore Labs facility. Tire mounted at Severance Trucking. Beginning mileage 13,595 -Ending Mileage 57,732. when tire removed from service. Commercial load @90PSI. Trailer used in normal freight delivery.

RESULTS

Tires tested and inspected monthly. Tires show no loss of air or structural defects. Inspection of the repairs at inner liner at test conclusion show repair to be completely intact and perfectly adhering to inner liner.