

SO GIANT OIL SEAL INDUSTRIAL CO., LTD.

TEST REPORT

MATERIAL: KF10173A

Press Cure

Post Cure Date: 2009/04/01

Sheet: 10 min 175 °C

Sheet: 24 hrs 235 °C

Button: min °C

Button: hrs °C

Spec: M2HK710A1-10B37B38EF31EO78Z:HD75+/-5

Original Properties:

Hardness (Shore A)

Tensile Strength psi

Elongation, %

Tear Resistance (Kg/cm)

Modulus at 100 %

Modulus at 200 %

Modulus at 300 %

Specific Gravity

Spec.

75+/-5

1450

175

31

973

1862

2.187

78

1985

225

31

973

1862

2.187

A 1-10 Heat Resistance: 250 °C * 70 hrs

Hardness Change

+10

+3

Tensile Strength Change

-25

-1

Elongation Change

-25

-8

Volume Change (Weight Lose %)

-3

-3

A Heat Resistance: 275 °C * 70 hrs

Hardness Change

+6

Tensile Strength Change

-25

Elongation Change

+5

Volume Change

-7

B 37 Compression Set: 175 °C * 22 hrs

50

8

B 38 Compression Set: 200 °C * 22 hrs

50

13

B Compression Set: °C * hrs

C pphm * °C * hrs

C pphm * °C * hrs

EA Water Resistance: °C * hrs

Hardness Change

Tensile Strength Change

Elongation Change

Volume Change

EO 78 ASTM #101 Oil: 200 °C * 70 hrs

Hardness Change

-15~+5

-8

Tensile Strength Change

-40

-21

Elongation Change

-20

+3

Volume Change

0~+15

+13

EO ASTM #7700 Oil: 200 °C * 70 hrs

Hardness Change

-13

Tensile Strength Change

-21

Elongation Change

-7

Volume Change

+17

EO ASTM Oil: °C * hr

Hardness Change

Tensile Strength Change

Elongation Change

Volume Change

EF 31 Fuel C Resistance: 23 °C * 70 hrs

Hardness Change

+/-5

-4

Tensile Strength Change

-25

-16

Elongation Change

-20

-4

Volume Change

0~+10

+5

EF Fuel Resistance: 23 °C * 70 hrs

Hardness Change

Tensile Strength Change

Elongation Change

Volume Change

F Low Temperature: °C * min

F Low Temperature: °C * min