

GMORS**ISO/TS 16949
CERTIFIED****GE MAO RUBBER INDUSTRIAL CO., LTD.**

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LABORATORY REPORT

MATERIAL : **HNBR**
 COMPOUND: **H7000AE01**
 SPEC.: **ASTM D2000 M2DH716 A26 B36 EO16 EO36**
 Color: **GREEN**

E-07-C
 DATE : 10/19/2009

Original Physical Properties

	<u>Requirements</u>	<u>Results</u>
Hardness, (Shore A) (ASTM D2240-05)	70±5	75
Tensile Strength, psi (MPa) (ASTM D412-06a)	2321(min)	2918(20.12)
Elongation, (%) (ASTM D412-06a)	250(min)	286
Modulus at 100%,psi(Mpa) (ASTM D412-06a)		1037(7.15)
Specific Gravity (g/cm³)		1.36

A26 Heat Age, 70 Hrs @ 150°C (ASTM D573-04)

Hardness Change, pts	+10(max)	+6
Tensile Strength Change, %	-25(max)	+11
Elongation Change, %	-30(max)	-23
Volume Change, %		-2.5

B36 Compression Set, 22 Hrs @ 150°C (ASTM D395-03,Method B)

	50%(plied)(max)

17.2**EO16 ASTM #1 Oil, 70 Hrs @ 150°C (ASTM D471-06)**

Hardness Change, pts.	-5~+10	+1
Tensile Strength Change, %	-20(max)	+6
Elongation Change, %	-30(max)	-13
Volume Change, %	±5	+0.5

EO36 ASTM #3 Oil, 70 Hrs @ 150°C (ASTM D471-06)

Hardness Change, pts.	-15(max)	-5
Tensile Strength Change, %	-40(max)	-12
Elongation Change, %	-40(max)	-33
Volume Change, %	+25(max)	+13.5

APPROVAL 劉汝玲

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