LABORATORY REPORT

MATERIAL： **HNBR 70** E-07-C
COMPOUND: **N2307 (H7000AE)** DATE：Jun/07/2014
SPEC.: **ASTM D2000 M4DH716 A26 B36 EO16 EO36**
COLOR: **LIGHT GREEN**

	Original Physical Properties	**Requirements**	**Results**
	Hardness, (Shore A) (ASTM D2240-05)	**70±5**	**74**
	Tensile Strength, psi (MPa) (ASTM D412-06a)	**2321(min)**	**2846(19.63)**
	Elongation, (%) (ASTM D412-06a)	**250(min)**	**326**
	Modulus at 100%,psi (MPa) (ASTM D412-06a)		**877(6.05)**
	Specific Gravity (g/cm³)		**1.35**
A26	**Heat Age, 70 Hrs @ 150℃ (ASTM D865-99)**		
	Hardness Change, pts	**+10(max)**	**+3**
	Tensile Strength Change, %	**-15(max)**	**+7**
	Elongation Change, %	**-25(max)**	**-15**
	Weight Change, %		**-2.1**
B36	**Compression Set, 22 Hrs @ 150℃ (ASTM D395-03,Method B)**	**35%(plied)(max)**	**20.6**
EO16	**IRM901 Oil, 70 Hrs @ 150℃ (ASTM D471-12a)**		
	Hardness Change, pts.	**-5~+10**	**+3**
	Tensile Strength Change, %	**-20(max)**	**+11**
	Elongation Change, %	**-30(max)**	**-9**
	Volume Change, %	**-10~+5**	**-2.5**
EO36	**IRM903 Oil, 70 Hrs @ 150℃ (ASTM D471-12a)**		
	Hardness Change, pts.	**-15(max)**	**-6**
	Tensile Strength Change, %	**-40(max)**	**+5**
	Elongation Change, %	**-30(max)**	**-13**
	Volume Change, %	**+25(max)**	**+12.1**

APPROVAL Ru-Ling Liu **AUDIT Li Ling Chen** **REPORT Li Ling Chen**
(Lab Manager) **(Chemical Engineer)** **(Laboratory Specialist)**