

**TEST REPORT**

NO : QR7-15-03-01

Approval Type: Material Test		Part number: N7001		Batch Number/Order Number: ---	
Quantity: ---		Material: NBR		Hardness: 70IRHD	
Material L/N: ---		Sample Method: ---			
TEST ITEMS	Criterion Requirement		Test Result		
			Actual	Criterion	Remark
	Density (g/cm <sup>3</sup> )	1.25±0.1	1.28	ASTM D1817	OK NO
	Hardness (shore A)	70±5	72	ASTM D2240	OK NO
	Tensile strength (Mpa)	≥10	16.5	ASTM D412	OK NO
	Elongation at Break (%)	≥250	315	ASTM D412	OK NO
	Compression set 22h at 100 (%)	≤25	13.4	ASTM D395	OK NO
	Heat Resistance test (100 ×70h)			ASTM D865	
	Change in hardness (D shore A)	±10	+4	ASTM D2240	OK NO
	Change in Tensile (%)	±20	-6	ASTM D412	OK NO
	Change in Elongation (%)	≥-30	-18	ASTM D412	OK NO
	ASTM 1# Oil Resistance test (100 ×70h)			ASTM D471	
	Change in hardness (D shore A)	-5~+10	-1	ASTM D2240	OK NO
	Change in Tensile (%)	-20~20	-8	ASTM D412	OK NO
	Change in Elongation (%)	≥-30	-18	ASTM D412	OK NO
	Change in Volume(%)	±10	-4.6	ASTM D1329	OK NO
	ASTM 3# Oil Resistance test (100 ×70h)				
	Change in hardness (D shore A)	-10~+5	-1	ASTM D2240	OK NO
	Change in Tensile (%)	≥-25	-8	ASTM D412	OK NO
	Change in Elongation (%)	≥-40	-18	ASTM D412	OK NO
	Change in Volume(%)	≤20	3.2	ASTM D1329	OK NO
	Fuel A Resistance test (23 ×70h)				
	Change in hardness (D shore A)	±10	-4	ASTM D2240	OK NO
Change in Tensile (%)	≥-15	-10	ASTM D412	OK NO	
Change in Elongation (%)	≥-15	-12	ASTM D412	OK NO	
Change in Volume(%)	-5~10	4.2	ASTM D1329	OK NO	
Low Temperature	-40	Pass	ASTM D1329	OK NO	
Quality Synthetical Judgement: Approved.					