AEROBOLT
FASTENERS ▪ PACKERS ▪ SEALANTS

Rubber – Nut Test Report

Neoprene Rubber **Grade: TC6026B**

Original physical properties:	
Curing conditions	
Press curing: 10 minutes at 160° C	
Hardness (Shore A)	62.0
Tensile strength (Mpa)	13.6
Elongation (%)	350.0
Heat aging at 100º C for 70 hours	
Hardness change (points)	+3.5
Tensile change (%)	-9.6
Elongation change (%)	-8.5
Oil resistance	
Immerse in ASTM No. 1 oil at 100º C for 70 hours	
Hardness change (points)	-2.1
Tensile change (%)	+15.8
Elongation change (%)	-23.7
Volume change (%)	+0.5
Immerse in ASTM No. 3 oil at 100º C for 70 hours	
Hardness change (points)	-16.2
Tensile change (%)	-53.6
Elongation change (%)	-36.3
Volume change (%)	+52.1
Ozone resistance	
Test at 40º C, 50 PPHM, 20% stretch for 72 hours	No cracking observed
Low temperature brittleness	
Test after 3 minutes at -40º C	No brittleness