



Typical Properties of Cured Compound
Compound No: N70
70 Durometer Nitrile Rubber

Effective Date: 03/19/01

Original Physical Properties	Specifications	
Hardness, Shore A	65 to 75	69
Tensile Strength, MPa	10 min	15
Tensile Strength, psi	1450 min	2176
Elongation, %	250 min	406
Compression Set: % of Original Deflection 22 hrs @ 100°C	25 max	16
Fluid Resistance		
Water Immersion: 70 hr @ 100°C		
Hardness Change, pts	±10	-3
Volume Change, %	±15	+7
ASTM No. 1 Oil: 70 hr @ 100°C		
Hardness Change, pts	-5 to +10	+4
Tensile Change, %	-25 max	+4
Elongation Change, %	-45 max	-22
Volume Change, %	-10 to +5	-6.5
IRM 903 Oil: 70 hr @ 100°C		
Hardness Change, pts	-10 to +5	-4
Tensile Change, %	-45 max	-8
Elongation Change, %	-45 max	-27
Volume Change, %	0 to +25	+5
Fuel A: 70 hr @ 23°C		
Hardness Change, pts	±10	-4
Tensile Change, %	-25 max	-7
Elongation Change, %	-25 max	-11
Volume Change, %	-5 to +10	+6
Fuel B: 70 hr @ 23°C		
Hardness Change, pts	0 to -30	-15
Tensile Change, %	-60 max	-25
Elongation Change, %	-60 max	-37
Volume Change, %	0 to +40	+26

THE DATA SHOWN HERE ARE SHOWN AS AN ENGINEERING GUIDE ONLY AND SHOULD NOT BE USED FOR THE PURPOSE OF ESTABLISHING PERFORMANCE LIMITS. THESE VALUES WERE OBTAINED USING ESTABLISHED STANDARD TEST PROCEDURES AND ARE BELIEVED TO BE RELIABLE. HOWEVER, DUE TO THE VARIABLES THAT MAY BE ENCOUNTERED IN ACTUAL USE, IT IS ALWAYS ADVISABLE TO TEST THE MATERIAL UNDER ACTUAL SERVICE CONDITIONS BEFORE SPECIFICATION.