

# MATERIAL TEST REPORT

Material Number: 1870-19002  
Material Type: HNBR 70  
Material Colour: GREEN

PROPERTY	UNIT	TEST METHOD	TEST PARAMETER	VALUE
Hardness	IRHD	ASTM D 1415	-	70 ±5
Tensile Strength	MPa	ASTM D 412	-	17,7
Ultimate Elongation	%	ASTM D 412	-	263
Specific Gravity	g/cm <sup>3</sup>	ASTM D 297	-	1,27
Compression Set	%	ASTM D 395 B	22h / 150°C	22
Low Temp. Resistance	°C	ASTM D 2137	No cracks after 3 min. at	-40
Low Temp. Resistance	°C	ASTM D 1329	TR10	-23,2

## CHANGES OF PROPERTIES AFTER AGING:

MEDIUM	TEST METHOD	TIME H	TEMPERATURE °C	HARDNESS POINTS	TENSILE STRENGTH %	ULTIMATE ELONGATION %	VOLUME %
Air	ASTM D 573	70	150	+3	+2	+6	-
IRM oil 901	ASTM D 471	70	150	+2	-8	-3	-3
IRM oil 903	ASTM D 471	70	150	-5	-11	-3	+11

The above figures are average values and should be considered as guidelines not specifications. While reasonable care has been taken to ensure that this data is representative, Abbey Seals International Ltd does not warrant or otherwise guarantee, expressly or impliedly, the suitability, accuracy, reliability or completeness of the information. We recommend evaluation prior to use to ascertain the suitability of the material for the application.