

## MATERIAL TEST REPORT

Material Number: 2175 -10307 Evolast® N894  
 Material Type: FFKM 75  
 Material Colour: Black  
 Temp. Range Static: -25°C / +270°C (short time +300°C)

PROPERTY	UNIT	TEST METHOD	TEST PARAMETER	VALUE
Hardness	Shore A	ASTM D 2240	-	78 ±5
Tensile Strength	MPa	ASTM D 412	-	18
Ultimate Elongation	%	ASTM D 412	-	145
Specific Gravity	g/cm <sup>3</sup>	ASTM D 1817	-	1,98 ±0,04
Compression Set	%	ASTM D 395 B/1	70h / 200°C	18,5
Low Temp. Resistance	%	ASTM D 1329	TR10	-4

### CHANGES OF PROPERTIES AFTER AGING:

MEDIUM	TEST METHOD	TIME H	TEMPRATURE °C	HARDNESS POINTS	TENSILE STRENGTH %	ULTIMATE ELONGATION %	VOLUME %
Air	ASTM D 573	70	275	-1,5	-25	+20	-
H2SO4 98%	ASTM D 471	70	60	-1,1	-	-	+2,9
Water+Glycol (50/50)	ASTM D 471	168	150	-2	-	-	+2
MEK	ASTM D 573	720	45	-2,5	-	-	+4,1
Fuel C	ASTM D 471	504	40	-	-	-	+8,5
Ethylenediamine	ASTM D 471	72	100	-7	-	-	+18
Nitric Acid	ASTM D 471	72	80	-4	-	-	+6
HCL 37%	ASTM D 471	168	80	-3,5	-	-	+5,5

#### High Temperature Capability:

Good compression set at continuous temperature up to 270°(short time +300°C). Broad chemical resistance. Designed specifically for chemical process industry for use in aggressive chemicals, acids, bases, steam, amines, organic and inorganic media, methanol, TBA and MTBE, esters and ethers.

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.