



**K.C.
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T2C 3X4

COMPOUND# HEXAE90

Extrusion Resistant HNBR

Compound HEXAE90 is one of the toughest compounds KC Seals offers. With a tensile strength of over 4000 psi, HEXAE90 is an ideal compound for applications where pressure is one of the main concerns.

D412-16 Original Physicals

Tensile.....	<u>02/06/2019 07:23 AM</u>		4107 PSI
Elongation			301
Durometer Shore A.....	<u>03/18/2019 12:27 PM</u>		88 PT

D395-18 Compression Set 22 Hrs. @ 150 °C

		SPEC	RESULT
Thickness Change (C/S).....	<u>02/08/2019 10:52 AM</u>		
Thickness % Change.....			28.0%

D624-00 Tear Die C

		SPEC	RESULT
TStrength.....			335 LBF/IN

D573-04 Heat Aging in Air 70 Hrs. @ 125 °C

		SPEC	RESULT
Tensile.....	<u>03/19/2019 08:49 AM</u>		
Tensile % Change			4%
Elongation % Change			-48%
Durometer Shore A.....	<u>03/19/2019 08:47 AM</u>		
Durometer Change			7 PT



**D471-16a Inunersion - 903
in Oil - 70 Hrs. @ 150 °C**

	SPEC	RESULT
Tensile.....	<u>03/19/2019 08:48 AM</u>	
Tensile % Change.....		-4%
Elongation \ Change.....		-24%
Durometer Shore A.....	<u>03/18/2019 12:27 PM</u>	
Durometer Change.....		0 PT
Volume Change.....	<u>03/18/2019 12:32 PM</u>	
Volume % Change.....		11.2%

**D471-16a Immersion - fuel c
70 Hrs. @ 23 °C**

	SPEC	RESULT
Tensile.....	<u>03/18/2019 12:02 PM</u>	
Tensile % Change.....		-59%
Elongation \ Change.....		-53\
Durometer Shore A.....	<u>03/18/2019 12:02 PM</u>	
Durometer Change.....		-26 PT
Volume Change.....	<u>03/18/2019 12:25 PM</u>	
Volume \ Change.....		61.H

