

Project #: 115877
 Customer: K.C. SEALS, INC.
 Compound: 90 DURO FKM (SM)
 Chemist: CorrigDM
 Order #: 115877-7(2)

Uncured lab batch

Cure Slab 10 Min. @ 350 °F
 Cure Button 30 Min. @ 350 °F
 Post Cure 8 Hrs. @ 450 °F

D412-16 Original Physicals

	SPEC	RESULT
Tensile.....	01/28/2020 09:13 AM	2083 PSI
Elongation.....		128%
Mod @ 100%.....		1770 PSI
Durometer Shore A.....	01/28/2020 08:56 AM	92 PT

**D624-00(2012) Tear Die
C**

	SPEC	RESULT
TStrength.....		147 LBF/IN

**D395-18 Compression Set
24 Hrs. @ 200 °C**

	SPEC	RESULT
Thickness Change (C/S).....	01/29/2020 02:00 PM	
Thickness % Change.....		18.0%

**D573-04(2015) Heat Aging in Air
70 Hrs. @ 250 °C**

	SPEC	RESULT
Tensile.....	02/03/2020 09:12 AM	
Tensile % Change.....		22%
Elongation % Change.....		-6%
Mod @ 100%.....		2161 PSI
Durometer Shore A.....	02/03/2020 09:00 AM	
Durometer Change.....		3 PT

**D573-04(2015) Heat Aging in Air
70 Hrs. @ 275 °C**

	SPEC	RESULT
Tensile.....	02/03/2020 09:12 AM	
Tensile % Change.....		-10%
Elongation % Change.....		0%
Mod @ 100%.....		1492 PSI
Durometer Shore A.....	02/03/2020 09:01 AM	
Durometer Change.....		1 PT

**D471-16a Immersion
in IRM 901 - 70 Hrs. @ 150 °C**

	SPEC	RESULT
Tensile.....	01/31/2020 10:09 AM	
Tensile % Change.....		-1%
Elongation % Change.....		-2%
Mod @ 100%.....		1721 PSI
Durometer Shore A.....	01/31/2020 10:03 AM	
Durometer Change.....		1 PT

Volume Change..... 01/31/2020 10:09 AM
 Volume % Change..... _____ 0.1%

D471-16a Immersion
in IRM 903 - 70 Hrs. @ 150 °C

	SPEC	RESULT
Tensile.....	<u>01/31/2020 10:17 AM</u>	
Tensile % Change.....	_____	<u>-14%</u>
Elongation % Change.....	_____	<u>25%</u>
Mod @ 100%.....	_____	<u>1561 PSI</u>
Durometer Shore A.....	<u>01/31/2020 10:15 AM</u>	
Durometer Change.....	_____	<u>6 PT</u>
Volume Change.....	<u>01/31/2020 10:15 AM</u>	
Volume % Change.....	_____	<u>1.4%</u>

The results herein relate only to the items tested or sampled.
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END OF REPORT