

ANNUAL TESTING

LABORATORY, MATERIAL TEST REPORT

serial no.: 12202280

CUSTOMER :	Molex	COMPOUND:	A2361T
PART NO. :	33510-0401	LOT NO. :	15746104
PART NAME:	SEAL	MATR'L. :	SILICONE
TEST DATE:	08-15-22	SPEC.NO.:	WSB-M2D280-A5

TYPE OF TEST / SPECIFICATION / TEST RESULTS

ORIGINAL PROPERTIES, ASTM D2240, D412, D624

HARDNESS, SHORE A,	13 TO 22	19
TENSILE STRENGTH, DIE-C, MPa	2.0 MIN.	4.6
ELONGATION, %	500 MIN.	858
TEAR RESISTANCE, DIE-C, kN/m	3.0 MIN.	8.7
MODULUS @ 100%, DIE-C, MPa	0.2 MIN.	0.4
DENSITY, ASTM D-297-93, g/cm ³	1.04 -1.10	1.05

HEAT AGING, ASTM D573, 168h @ 150°C

HARDNESS CHANGE, pts.	-5 TO +10	-1
TENSILE STRENGTH CHANGE, %	-30 MAX.	-8
ELONGATION CHANGE, %	-30 MAX.	-2
VISUAL- NO SURFACE TACKINESS OR CRACKS	MUST PASS	PASS

HEAT AGING, ASTM D573, 1000h @ 150°C

HARDNESS CHANGE, pts.	-10 TO +10	-1
TENSILE STRENGTH CHANGE, %	-40 MAX.	-39
ELONGATION CHANGE, %	-30 MAX.	-20
VISUAL - NO SURFACE TACKINESS OR CRACKS	MUST PASS	PASS

FLUID RESISTANCE, ASTM D-471, IRM901 OIL, 168h @ 150°C

HARDNESS CHANGE, pts.	0 TO -12	-3
TENSILE STRENGTH CHANGE, %	-30 MAX.	-15
ELONGATION CHANGE, %	-30 MAX.	+12
VOLUME CHANGE, %	0 TO +15	+3

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**FLUID RESISTANCE, ASTM D-471,
METHANOL, 168h @ 23°C**

HARDNESS CHANGE, pts.	-5 TO +10	+1
TENSILE STRENGTH CHANGE, %	-20 MAX.	+9
ELONGATION CHANGE, %	-20 MAX.	+7
MODULUS @ 100 TENSILE CHANGE, %	-30 MAX.	-7
VOLUME CHANGE, %	-10 TO +20	-4
VISUAL - NO SURFACE TACKINESS OR CRACKING	MUST PASS	PASS

**COMPRESSION SET, ASTM D-395, METHOD B,
70h @ 150°C**

COMPRESSION SET, %	25 MAX.	20
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LOW TEMPERATURE RESISTANCE, ASTM D-2137, METHOD A,

3 MINUTES @ -65°C	MUST PASS	PASS
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Approved by Richard Rybka
Richard Rybka, Technical Manager

Date: December 20, 2022

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