



ANNUAL TESTING

LABORATORY, MATERIAL TEST REPORT

Serial No.:12042458

CUSTOMER :	MOLEX	COMPOUND :	A2361
PART NO. :	34746-0600	LOT NO. :	21855077-013596993
PART NAME :	SEAL	MATR'L. :	SILICONE
TEST DATE :	11-06-24	SPEC. NO. :	WSB-M2D280-A5 (PRINT)

TYPE OF TEST	/	SPECIFICATION	/	TEST RESULTS
--------------	---	---------------	---	--------------

ORIGINAL PROPERTIES, ASTM D2240, D412, D624, D297

HARDNESS, SHORE A,	18 ± 5	21
TENSILE STRENGTH, DIE-C, MPA	2.0 MIN.	3.8
MODULUS @ 100%, DIE-C, MPa	0.2 MIN.	0.3
ELONGATION, %	500 MIN.	839
TEAR RESISTANCE, DIE-C, KN/M	3.0 MIN.	7.6
SPECIFIC GRAVITY, G/CM3	1.04 -1.10	1.05

BLEEDING, VISUAL CHECK.

AN ASTM TEST SLAB OBSERVED 24 H AFTER MOLDING MUST SHOW EVIDENCE OF LUBRICANT BLEED.	MUST PASS.	PASS
--	------------	------

HEAT AGING, ASTM D573, 168H @ 150°C

HARDNESS CHANGE, PTS.	-5 TO +10	+1
TENSILE STRENGTH CHANGE, DIE-C, %	-30 MAX.	-13
ELONGATION CHANGE, %	-30 MAX.	-11
VISUAL- NO SURFACE TACKINESS OR CRACKS	MUST PASS	PASS

HEAT AGING, ASTM D573, 1000H @ 150°C

HARDNESS CHANGE, PTS.	-10 TO +10	0
TENSILE STRENGTH CHANGE, DIE-C, %	-40 MAX.	-10
ELONGATION CHANGE, %	-30 MAX.	-17
VISUAL- NO SURFACE TACKINESS OR CRACKS	MUST PASS	PASS

FLUID RESISTANCE, ASTM D471,

IRM901 OIL, 168H @ 150°C

HARDNESS CHANGE, PTS.	0 TO -12	0
TENSILE STRENGTH CHANGE, DIE-C, %	-30 MAX.	+32
ELONGATION CHANGE, %	-30 MAX.	-4
VOLUME CHANGE, %	0 TO +15	+2

FLUID RESISTANCE, ASTM D471,

METHANOL, 168h @ 23°C

HARDNESS CHANGE, PTS.	-5 TO +10	+3
TENSILE STRENGTH CHANGE, DIE-C, %	-20 MIN.	+18
ELONGATION CHANGE, %	-20 MIN.	-2
MODULUS @ 100% CHANGE, %	-30 MIN.	-0
VOLUME CHANGE, %	-10 TO +20	-3
VISUAL- NO SURFACE TACKINESS OR CRACKS	MUST PASS	PASS

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

COMPRESSION SET, %	25 MAX.	20
--------------------	---------	----

DIELECTRIC STRENGTH, IEC 243/ASTM D 149,

IN INSULATING OIL, KV/MM	14 MIN.	23
--------------------------	---------	----

LOW TEMPERATURE RESISTANCE, ASTM D-2137, METHOD A,

3 MINUTES @ -65°C	MUST PASS	PASS
-------------------	-----------	------

OZONE RESISTANCE, FLTM BP 101-01, PROCEDURE A, 70+2H @ 50PPHM ± 5

RATING 0	PASS	PASS
----------	------	------

FLAMMABILITY REQUIREMENT, PER ISO 3795

BURN RATE 10MM/MIN	PASS	PASS
--------------------	------	------

* = MEASUREMENT UNCERTAINTY OF +/- 0.01142 @ APPROXIMATELY 95% CONFIDENCE LEVEL USING A COVERAGE FACTOR OF K=2.

Approved By Richard Rybka Date: December 04, 2024
Richard Rybka, Technical Manager

QUALITY SYNTHETIC RUBBER, INC. CERTIFIES THAT THIS MATERIAL HAS BEEN TESTED IN ACCORDANCE WITH ALL NOTED TEST METHODS AND THAT THE RESULTS OBTAINED MEET SPECIFICATION REQUIREMENTS UNLESS OTHERWISE NOTED ON THIS REPORT. THE INFORMATION CONTAINED HEREIN APPLIES TO THE SPECIFIC LOT OF MATERIAL NOTED ABOVE. NO WARRANTY OF ANY KIND IS HEREIN CONSTRUED OR IMPLIED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF QUALITY SYNTHETIC RUBBER, INC.