

June 1, 2021

▪TEST REPORT▪

PN 159577
PO wire transfer

PHYSICAL TESTING DEPARTMENT

Prepared For:

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ISO 9001:2015
Registered

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SUBJECT: Physical Testing on material submitted by the above company.

RECEIVED: Five (5) sets of surgical gloves identified as follows:

- 1) Medispo® PI by Guilin HBM Health Protections, Inc. Polyisoprene Sterile Surgical Gloves Powder Free
- 2) Protexis™ PI Surgical Gloves by Cardinal Health Sterile Polyisoprene Powder Free,
- 3) Gammex® Non-Latex PI Green by Ansell Healthcare Products LL Polyisoprene Surgical Gloves Powder Free
- 4) Biogel® UltraTouch by Molnlycke Health Care AB Polyisoprene Surgical Gloves Powder Free
- 5) Sensicare® PI with Aloe Vera by Medline Industries Inc. Surgical Gloves Sterile Synthetic Polyisoprene Powder-Free with Aloe Vera

DECISION RULE: Rule #3

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ORIGINAL PHYSICAL PROPERTIES, ASTM D 412

Die D dumbbells tested at 20 in/min.

	<u>Tensile Strength, psi</u>	<u>Peak Force, lbf</u>	<u>Elongation, %</u>	<u>100% Modulus, psi</u>	<u>300% Modulus, psi</u>	<u>500% Modulus, psi</u>
Biogel®						
	*3286	3.9	1014	157	221	300
	4388	5.0	987	156	230	342
	3248	3.6	1007	142	219	300
	*4198	4.7	1014	149	228	335
	3342	3.8	968	154	233	329
	*3369	3.6	1022	150	219	313
	*4180	4.8	991	154	232	344
	3571	3.8	969	153	236	347
	2894	3.5	937	142	204	314
	*3078	3.6	1016	139	210	290
	3606	4.2	991	150	223	312
	3841	4.3	981	160	234	339
	3893	4.2	1022	153	232	322
Median	3571	3.9	991	153	228	322
Std. Deviation	463	0.5	25	6	10	19
MU, %	9.5	-	24.4	12.7	16.6	33.4

	<u>Tensile Strength, psi</u>	<u>Peak Force, lbf</u>	<u>Elongation, %</u>	<u>100% Modulus, psi</u>	<u>300% Modulus, psi</u>	<u>500% Modulus, psi</u>
Gammex®						
	4353	4.7	1003	153	224	333
	4657	4.7	1012	155	239	340
	*4297	4.4	981	161	245	342
	*4713	4.7	1022	153	234	343
	*4286	4.2	1019	160	235	322
	4659	4.7	1009	157	246	335
	4309	4.4	976	155	246	323
	*4476	4.5	1018	154	235	322
	*4662	4.5	1002	160	247	364
	*3991	4.0	982	152	244	336
	4099	4.0	998	161	241	347
	4521	4.6	983	149	260	332
	4494	4.6	974	160	256	347
Median	4476	4.5	1002	155	244	336
Std. Deviation	226	0.2	17	4	9	12
MU, %	9.5	-	24.4	12.7	16.6	33.4

*specimens did not break

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Die D dumbbells tested at 20 in/min.

	<u>Tensile Strength, psi</u>	<u>Peak Force, lbf</u>	<u>Elongation, %</u>	<u>100% Modulus, psi</u>	<u>300% Modulus, psi</u>	<u>500% Modulus, psi</u>
Sensicare®						
	3990	4.5	858	155	259	401
	4123	4.4	834	163	269	438
	3989	4.6	865	151	249	385
	4290	4.6	826	165	282	453
	3628	4.1	822	159	257	414
	4057	4.0	856	172	276	427
	4336	4.5	831	171	282	455
	4071	4.7	855	158	260	408
	3799	3.8	807	181	267	445
	3358	3.7	765	168	284	463
	3917	4.4	859	148	252	385
	3579	4.0	850	152	258	365
	3478	3.8	873	162	247	356
Median	3989	4.4	850	162	260	414
Std. Deviation	305	0.3	29	9	13	35
MU, %	9.5	-	24.4	12.7	16.6	33.4

	<u>Tensile Strength, psi</u>	<u>Peak Force, lbf</u>	<u>Elongation, %</u>	<u>100% Modulus, psi</u>	<u>300% Modulus, psi</u>	<u>500% Modulus, psi</u>
Medispo®						
	3854	3.6	817	172	275	416
	3701	3.6	828	147	255	391
	4245	4.0	868	154	255	398
	3207	3.0	759	155	257	435
	3331	3.2	758	148	257	424
	3267	3.1	809	151	252	485
	3572	3.3	819	157	255	389
	4377	4.2	846	179	261	413
	4398	4.1	824	184	256	442
	3433	3.4	688	172	286	611
	4105	4.0	833	163	251	396
	4264	4.1	845	163	257	405
	4081	3.9	834	166	253	396
Median	3854	3.6	824	163	256	405
Std. Deviation	439	0.4	48	12	10	59
MU, %	9.5	-	24.4	12.7	16.6	33.4

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ORIGINAL PHYSICAL PROPERTIES, ASTM D 412

Die D dumbbells tested at 20 in/min.

	<u>Tensile Strength, psi</u>	<u>Peak Force, lbf</u>	<u>Elongation, %</u>	<u>100% Modulus, psi</u>	<u>300% Modulus, psi</u>	<u>500% Modulus, psi</u>
Protexis™						
	3254	3.3	990	171	249	368
	3293	3.5	968	168	267	361
	3750	4.0	1028	147	236	357
	3763	3.8	1009	172	250	358
	3654	3.7	1017	156	239	337
	*3125	3.1	1014	152	240	321
	3570	3.7	1014	160	229	335
	3710	3.8	1017	151	238	355
	3383	3.4	1036	152	244	338
	3050	3.1	1024	161	246	337
	3948	4.3	1019	153	237	357
	3113	3.2	1024	154	229	321
	3771	3.8	997	176	260	377
Median	3570	3.7	1017	156	239	355
Std. Deviation	301	0.4	18	9	9	18
MU, %	9.5	-	24.4	12.7	16.6	33.4

*specimen did not break

The estimated measurement uncertainty represents an expanded uncertainty using a coverage factor (K=2) approximating a 95% confidence level.

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