

# OTEXA – Personal Protective Equipment (PPE) 2019 – March 2022 Data, By Value

## OTEXA - Personal Protective Equipment (PPE) March 2022, by HTS and Major Product Group U.S. Imports for Consumption (dollars)

\* indicates data not available due to new statistical breakouts effective July 1, 2020  
 \*\* indicates data not available due to new statistical breakouts effective January 1, 2021  
 \*\*\* indicates data not available due to new statistical breakouts effective January 1, 2022  
**PPE by HTS**

HTS	Description	Year 2019	Year 2020	Year 2021	2021 YTD (Jan - Mar)	2022 YTD (Jan - Mar)	Pct Chg YTD 21 - 22
3926201010	Seamless surgical and medical gloves of plastic	163,298,707	530,032,175	1,018,377,740	446,776,951	77,089,496	-82.7%
3926201020	Disposable gloves of plastic	416,322,442	1,606,428,081	1,861,169,855	1,084,450,202	152,384,960	-85.9%
3926909950	Plastic face masks and shields, medical positioning or transport pads, medical waste containers or disinfectant wipes dispensers	*	83,092,872	86,438,151	25,897,953.00	23,526,076	-9.2%
No longer in use - 4015110110	Surgical gloves, of natural rubber, other than hard rubber	76,549,091	65,928,506	74,987,493	14,099,413	***	***
No longer in use - 4015110150	Surgical gloves, of natural rubber, other than hard rubber nesoi	345,022,615	347,312,226	385,623,165	87,564,220	***	***
4015121000	Medical gloves, of vulcanized rubber other than hard rubber, nesoi	***	***	***	***	766,707,039	***
4015129000	Gloves, mittens and mitts of a kind used for dental or veterinary purposes	***	***	***	***	592,796	***
No longer in use - 4015190510	Medical gloves, except surgical of natural rubber, other than hard rubber	144,899,366	239,990,903	595,500,251	139,570,272	***	***
No longer in use - 4015190550	Medical gloves, except surgical of natural rubber, other than hard rubber nesoi	1,372,311,380	2,390,429,782	7,066,312,224	1,695,348,350	***	***
No longer in use - 4015191010	Seamless, disposable gloves, of vulcanized rubber other than hard rubber	661,458,292	1,297,921,215	2,275,427,067	763,001,527	***	***
4015191110	Seamless, disposable gloves, of vulcanized rubber other than hard rubber	***	***	***	***	241,699,479	***
4015191150	Gloves seamless except disposable	***	***	***	***	40,134,719	***
4818500020	Paper hospital/medical gowns or scrubs	*	1,950,867	2,341,086	416,719.00	293,217	-29.6%
4823908620	Paper shoe covers (booties)	*	1,460,082	901,196	421,686.00	282,603	-33.0%
5601220050	Flocked Swabs of Man-Made Fibers, Other than articles of heading 3926	**	**	14,290,634	5,296,289	1,249,411	-76.4%
No longer in use - 6210105000	Nonwoven disposable apparel designed for use in hospitals, clinics, labs or contaminated areas	791,702,028	4,395,584,964	**	**	**	**
6210105010	Surgical or isolation gowns, disposable, of nonwoven fabrics	**	**	1,063,594,626	456,320,486	150,932,655	-66.9%
6210105090	Disposable apparel designed for use in hospitals, clinics, laboratories, and other, of nonwoven fabrics	**	**	420,351,342	177,011,993	68,656,968	-61.2%
6307906090	Surgical drapes, of fabric formed on a base of paper or covered or lined with paper	11,434,510	15,703,564	10,642,640	2,582,935	2,715,484	5.1%
6307906800	Surgical drapes, spunlaced or bonded fiber fabric disposable surgical drapes of man-made fibers	431,325,789	426,447,017	443,770,451	96,628,037	115,464,051	19.5%
6307907200	Surgical drapes, other	7,051,011	16,577,076	19,061,039	4,084,058	5,257,076	28.7%
6307908910	Surgical towels of cotton	152,748,894	140,113,601	145,233,723	33,605,411	44,371,049	32.0%
6307909845	Face masks, including respirators without replaceable filters: N95 respirators	*	2,770,341,028	176,475,649	88,686,795.00	22,863,355	-74.2%
6307909850	Face masks, including respirators without replaceable filters, other respirators	*	187,180,275	29,273,857	15,153,227.00	4,635,195	-69.4%
6307909870	Other face masks, disposable:	*	2,093,451,191	485,413,697	203,081,784.00	125,204,485	-38.3%
6307909875	Other face masks, other	*	1,400,414,049	336,024,105	168,324,920.00	30,580,224	-81.8%
6405902000	Disposable footwear, designed for one-time use	7,239,960	5,637,096	4,427,801	910,995	1,084,376	19.0%
6505008015	Nonwoven disposable headgear without peaks or visors	243,773,937	265,271,292	260,665,926	71,788,962	39,740,082	-44.6%
<b>TOTAL</b>	<b>Personal Protective Equipment</b>	<b>4,825,138,022</b>	<b>18,281,267,862</b>	<b>16,776,303,718</b>	<b>5,581,023,185</b>	<b>1,915,464,796</b>	<b>-65.7%</b>

### Personal Protective Equipment - by Group

Group	HTS	Year 2019	Year 2020	Year 2021	2021 YTD (Jan - Mar)	2022 YTD (Jan - Mar)	Pct Chg YTD 21 - 22
Plastic/Rubber gloves	3926201010, 3926201020, 4015110110, 4015110150, 4015190510, 4015190550, 4015191010, 4015121000, 4015129000, 4015191110, 4015191150	3,179,861,893	6,478,042,888	13,277,397,795	4,230,810,935	1,278,608,489	66.8%
Paper Gowns and Booties	4818500020, 4823908620	*	3,410,949	3,242,282	838,405	575,820	0.0%
Flocked Swabs	5601220050	**	**	**	**	1,249,411	0.1%
Disposable Apparel	6210105000	791,702,028	4,395,584,964	**	**	**	**
Disposable Surgical or Isolation Gowns	6210105010	**	**	**	**	150,932,655	7.9%
Disposable Apparel for Hospitals and Labs	6210105090	**	**	**	**	68,656,968	3.6%
Surgical Drapes	6307906090, 6307906800, 6307907200	449,811,310	458,727,657	473,474,130	103,295,030	123,436,611	6.4%
Surgical Towels	6307908910	152,748,894	140,113,601	145,233,723	33,605,411	44,371,049	2.3%
Face Masks and Shields	3926909950, 6307909845, 6307909850, 6307909870, 6307909875	*	6,534,479,415	1,113,625,459	501,144,679	206,809,335	10.8%
Disposable Footwear	6405902000	7,239,960	5,637,096	4,427,801	910,995	1,084,376	0.1%
Disposable Headgear	6505008015	243,773,937	265,271,292	260,665,926	71,788,962	39,740,082	2.1%
<b>TOTAL</b>	<b>Personal Protective Equipment</b>	<b>4,825,138,022</b>	<b>18,281,267,862</b>	<b>15,278,067,116</b>	<b>4,942,394,417</b>	<b>1,915,464,796</b>	<b>100.0%</b>

# OTEXA – Personal Protective Equipment (PPE) 2019 – March 2022 Data, By Value

## OTEXA - Personal Protective Equipment (PPE) March 2022, by HTS and Major Supplying Country U.S. Imports for Consumption (dollars)

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**PPE - by Top Country**

Group	Country	Year 2019	Year 2020	Year 2021	2021 YTD (Jan - Mar)	2022 YTD (Jan - Mar)	Mkt Share YTD
Plastic surgical and medical gloves - 3926201010	World	163,298,707	530,032,175	1,018,377,740	446,776,951	77,089,496	
	China	159,361,591	516,950,611	989,988,912	436,149,682	72,562,530	94.1%
	Thailand	-	635,843	7,286,417	2,003,494	1,372,287	1.8%
	Malaysia	1,447,786	5,072,239	10,465,135	4,777,877	1,229,827	1.6%
Plastic Disposable gloves - 3926201020	World	416,322,442	1,606,428,081	1,861,169,855	1,084,450,202	152,384,960	
	China	399,356,318	1,559,262,522	1,809,200,330	1,063,847,262	143,976,580	94.5%
	Vietnam	6,619,747	12,631,836	11,940,101	5,280,986	3,659,358	2.4%
	Thailand	2,380,182	6,030,300	6,756,705	1,846,880	2,106,234	1.4%
Plastic masks and shields etc. - 3926909950	World	*	83,092,872	86,438,151	25,897,953	23,526,076	
	Mexico	*	22,456,025	51,364,292	12,978,700	14,078,069	59.8%
	China	*	43,677,139	18,132,822	8,333,964	3,598,418	15.3%
	Taiwan	*	3,836,921	3,561,839	1,050,800	2,218,807	9.4%
Rubber surgical gloves - 4015110110	World	76,549,091	65,928,506	74,987,493	14,099,413	***	
	Malaysia	46,733,577	41,897,021	40,598,487	9,187,014	***	
	Thailand	22,002,699	15,041,624	15,720,452	2,980,578	***	
	China	509,466	590,374	9,078,376	135,264	***	
Surgical gloves of vulcanized rubber - 4015110150	World	345,022,615	347,312,226	385,623,165	87,564,220	***	
	Thailand	176,138,440	160,924,766	152,425,202	36,574,782	***	
	Malaysia	146,974,183	133,810,595	139,360,252	32,756,389	***	
	China	576,307	4,179,910	20,989,966	6,808,208	***	
Medical gloves, of vulcanized rubber - 4015121000	World	***	***	***	***	766,707,039	
	Malaysia	***	***	***	***	424,928,508	55.4%
	China	***	***	***	***	162,224,456	21.2%
	Thailand	***	***	***	***	121,243,457	15.8%
Gloves, for dental or veterinary purposes - 4015129000	World	***	***	***	***	592,796	
	Malaysia	***	***	***	***	350,864	59.2%
	China	***	***	***	***	228,939	38.6%
	France	***	***	***	***	7,629	1.3%
Medical gloves of natural rubber - 4015190510	World	144,899,366	239,990,903	595,500,251	139,570,272	***	
	Malaysia	114,936,963	170,415,761	249,399,694	83,991,457	***	
	China	12,838,009	28,215,872	247,839,649	26,757,840	***	
	Thailand	12,399,242	15,941,444	62,628,393	19,601,189	***	
Medical gloves of vulcanized rubber - 4015190550	World	1,372,311,380	2,390,429,782	7,066,312,224	1,695,348,350	***	
	Malaysia	983,981,093	1,594,890,129	4,110,112,264	961,894,368	***	
	China	199,891,370	509,052,377	2,052,479,626	556,116,929	***	
	Thailand	124,316,240	195,683,889	682,370,423	130,491,199	***	
Disposable gloves of vulcanized rubber - 4015191010	World	661,458,292	1,297,921,215	2,275,427,067	763,001,527	***	
	Malaysia	318,806,947	569,579,726	963,962,631	329,054,302	***	
	China	26,271,702	242,084,958	494,073,240	193,832,147	***	
	Thailand	214,908,582	339,536,510	570,885,085	170,603,739	***	
Seamless, disposable gloves, of rubber - 4015191110	World	***	***	***	***	241,699,479	
	Malaysia	***	***	***	***	85,840,391	35.5%
	Thailand	***	***	***	***	82,518,039	34.1%
	China	***	***	***	***	38,244,665	15.8%
Gloves seamless except disposable - 4015191150	World	***	***	***	***	40,134,719	
	Thailand	***	***	***	***	15,050,345	37.5%
	Malaysia	***	***	***	***	12,250,851	30.5%
	Sri Lanka	***	***	***	***	4,094,407	10.2%
Paper hospital/medical gowns or scrubs - 4818500020	World	*	1,950,867	2,341,086	416,719	293,217	
	Mexico	*	292,564	698,740	103,738	197,900	67.5%
	China	*	695,815	282,858	87,061	70,737	24.1%
	Turkey	*	429,778	949,448	200,300	22,532	7.7%
Paper shoe covers (booties) - 4823908620	World	*	1,460,082	901,196	421,686	282,603	
	China	*	439,370	278,251	110,111	179,100	63.4%
	Mexico	*	218,098	277,284	86,485	75,621	26.8%
	Canada	*	765,472	274,427	211,053	17,217	6.1%
Flocked Swabs - 5601220050	World	**	**	14,290,634	5,296,289	1,249,411	
	China	**	**	10,261,504	3,480,916	1,031,818	82.6%
	Italy	**	**	3,215,180	1,201,016	184,699	14.8%
	Mexico	**	**	405,326	225,332	32,489	2.6%

Plastic gloves	
World	229,474,456
China	216,539,110

Rubber gloves	
World	1,049,134,033
Malaysia	523,019,750
Thailand	218,811,841

Group	Country	Year 2019	Year 2020	Year 2021	2021 YTD (Jan - Mar)	2022 YTD (Jan - Mar)	Mkt Share YTD
Disposable Apparel - 6210105000	World	791,702,028	4,395,584,964	**	**	**	
	China	425,592,978	3,335,239,511	**	**	**	
	Vietnam	53,281,459	262,844,171	**	**	**	
	Mexico	141,266,422.00	225,562,894	**	**	**	
Disposable Apparel, isolation gowns - 6210105010	World	**	**	1,063,594,626	456,320,486	150,932,655	
	China	**	**	565,013,935	276,385,323	48,370,065	32.0%
	Honduras	**	**	124,682,698	33,350,397	35,856,794	23.8%
	Mexico	**	**	126,768,985	36,341,472	30,468,173	20.2%
Disposable Apparel, hospitals & labs - 6210105090	World	**	**	420,351,342	177,011,993	68,656,968	
	China	**	**	264,211,024	131,128,321	34,801,097	50.7%
	Vietnam	**	**	70,037,477	18,432,704	20,703,138	30.2%
	Mexico	**	**	46,922,243	11,387,942	8,305,682	12.1%
Surgical Drapes - 6307906090	World	11,434,510	15,703,564	10,642,640	2,582,935	2,715,484	
	China	5,167,392	5,983,712	5,913,994	1,472,803	1,463,110	53.9%
	Dominican Rep	5,084,278	4,459,893	3,800,711	732,557	1,005,132	37.0%
	Mexico	1,071,036	1,059,087	839,355	1,059,087	219,744	8.1%
Surgical Drapes - 6307906800	World	431,325,789	426,447,017	443,770,451	96,628,037	115,464,051	
	China	181,841,820	170,079,545	185,749,526	42,935,679	48,545,806	42.0%
	Mexico	156,133,689	147,214,451	141,341,995	29,922,029	40,518,428	35.1%
	Dominican Rep	73,927,171	70,263,171	68,247,511	14,039,770	13,998,080	12.1%
Surgical Drapes - 6307907200	World	7,051,011	16,577,076	19,061,339	4,084,058	5,257,076	
	China	4,748,986	7,779,029	8,338,850	1,553,162	2,305,587	43.9%
	Japan	-	1,801,609	7,038,880	1,737,803	2,100,185	39.9%
	Mexico	2,230,612	1,853,095	2,185,320	553,771	531,977	10.1%
Surgical Towels - 6307908910	World	152,748,894	140,113,601	145,233,723	33,605,411	44,371,049	
	China	140,076,687	132,367,931	137,231,052	31,256,180	42,585,738	96.0%
	Mexico	10,827,109	5,589,943	6,616,537	1,904,335	1,677,212	3.8%
	Pakistan	409,466	819,972	564,855	142,882	105,500	0.2%
Face Masks, N95 Respirators - 6307909845	World	*	2,770,341,028	176,475,649	88,686,795	22,863,355	
	China	*	2,723,486,538	114,679,270	71,972,856	9,875,902	43.2%
	Mexico	*	21,493,206	35,621,586	11,282,453	6,027,034	26.4%
	India	*	996,489	14,200,910	2,794,053	4,330,765	18.9%
Face Masks, Other Respirators - 6307909850	World	*	187,180,275	29,273,857	15,153,227	4,635,195	
	China	*	166,447,904	20,648,498	11,827,432	3,927,088	84.7%
	South Korea	*	2,869,459	1,468,562	208,994	371,928	8.0%
	Peru	*	445,860	870,562	195,976	88,510	1.9%
Face Masks, Disposable - 6307909870	World	*	2,093,451,191	485,413,697	203,081,784	125,204,485	
	China	*	1,900,271,612	335,173,048	136,843,530	84,418,343	67.4%
	Mexico	*	70,207,554	67,244,190	26,219,693	17,958,640	14.3%
	South Korea	*	24,233,851	39,853,700	21,789,135	12,161,010	9.7%
Face Masks, Other - 607909875	World	*	1,400,414,049	336,024,105	168,324,920	30,580,224	
	China	*	768,502,234	181,479,135	87,979,232	14,828,737	48.5%
	Vietnam	*	305,237,585	64,694,892	31,590,277	6,065,951	19.8%
	Taiwan	*	25,663,015	16,261,871	7,040,129	4,808,965	15.7%
Disposable Footwear - 6405902000	World	7,239,960	5,637,096	4,427,801	910,995	1,084,376	
	China	4,986,546	3,134,243	2,464,735	578,647	699,638	64.5%
	Vietnam	1,790,410	1,706,412	1,557,897	154,422	321,663	29.2%
	Mexico	152,531	382,442	166,057	61,228	20,992	1.9%
Disposable Headgear - 6505008015	World	243,773,937	265,271,292	260,665,926	71,788,962	39,740,082	
	Mexico	212,756,149	188,497,894	206,927,859	48,173,009	32,546,489	81.9%
	China	29,219,556	67,416,886	44,813,822	20,417,676	5,840,797	14.7%
	Cambodia	359,820	2,009,117	1,915,966	996,141	452,395	1.1%
<b>Total</b>	<b>World</b>	<b>4,825,138,022</b>	<b>18,281,267,862</b>	<b>16,776,303,718</b>	<b>5,581,023,185</b>	<b>1,915,464,796</b>	
	<b>China</b>	<b>1,564,730,597</b>	<b>12,166,592,999</b>	<b>7,473,914,892</b>	<b>3,096,996,395</b>	<b>714,275,071</b>	<b>37.3%</b>

Disposable Apparel	
World	219,589,623
China (total)	83,171,162

Surgical Drapes	
World	123,436,611
China	44,287,125
Dominican Rep	15,003,212

Face Masks and Shields	
World	206,809,335
China	116,648,488
N95 style masks	22,863,355
Disposable	125,204,485