

GLS

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GLS Thermoplastic Elastomers

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		GENERAL PROPERTIES					TENSILE PROPERTIES								REGULATORY					BONDING		PROCESS		
Color	Hardness	Specific Gravity	Compression Set @ 23°C		Compression Set @ 100°C	100% Modulus		300% Modulus		Tensile Strength		Elongation	Tear Strength		ISO 10993	USP VI	NSF	RoHS	UL 94	Suitable Substrates	Injection	Extrusion	Blow	
	ASTM/ISO Shore A	ASTM/ISO	ASTM %	ISO %	ASTM/ISO %	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM/ISO %	ASTM pli	ISO kN/m										
Versaflex™ HC MT Series																								
Medical Tubing Grades																								
HC MT222	Clear	66A	0.88	12	–	–	334	2.30	629	4.34	898	6.19	426	220	36	✓	✓	✓		PP	✓			
HC MT224	Clear	75A	0.89	15	–	–	468	3.23	773	5.33	1364	9.4	527	321	56	✓	✓	✓		PP	✓			
HC MT226	Clear	84A	0.89	18	–	–	606	4.17	885	6.1	1600	11.0	600	433	76	✓	✓	✓		PP	✓			
HC MT317	Trans.	68A	0.89	17	–	69	450	3.10	660	4.55	870	5.99	470	221	39	✓	✓	✓		PP	✓			
HC MT555	Trans.	54A	0.89	20	–	181	252	1.74	480	3.31	925	6.38	625	181	32	✓	✓	✓		PP	✓			
Versaflex™ HC Gaskets & Stoppers																								
Grades for Medical Gaskets & Stoppers																								
HC 2110-54B	Black	57A	1.02	15	–	–	501	3.45	–	–	645	4.5	189	133	23	✓	✓	✓		PP	✓			
HC 2110-57B	Black	59A	1.01	10	–	37	369	2.54	558	3.85	537	3.7	352	155	27	✓	✓	✓		PP	✓			
HC 2110-43N	Natural	43A	0.98	12	–	46	134	0.92	368	2.53	723	4.98	710	–	–	✓	✓	✓		PE, PP	✓			
Versaflex™ CL E Series																								
Clear Grades, Without Plasticizers, for Medical Films, Bags, And Bottles																								
CL E85	Clear	84A	0.90	19	–	–	606	4.17	885	6.1	1600	11.0	613	433	76	✓	✓	✓		PP	✓	✓		
CL E90	Clear	90A	0.90	27	–	–	1000	6.89	1234	8.8	1834	12.6	570	–	–	✓	✓	✓		PP	✓	✓		
CL E95	Clear	95A	0.90	38	–	–	1680	11.6	1730	11.9	2485	17.1	575	720	126	✓	✓	✓		PP	✓	✓		
Versaflex™ CL Series																								
High Clarity																								
CL 2000X	Clear	3A	0.87	23	–	–	15	0.10	29	0.20	304	2.09	1240	50	9			✓			✓			
CL 2003X	Clear	30 00	0.86	–	–	–	9	0.06	15	0.10	130	0.89	850	40	7			✓			✓			
CL 2242	Clear	42A	0.89	23	–	–	152	1.05	294	2.02	731	5.0	775	120	22	✓	✓	✓		PP	✓			
CL 2250	Clear	50A	0.89	20	–	–	230	1.59	360	2.48	800	5.51	700	130	24	✓	✓	✓		PP	✓			
CL 30	Clear	30A	0.89	11	–	–	100	0.69	200	1.37	751	5.17	870	115	20			✓		PP	✓			
CL 40	Clear	43A	0.89	12	–	–	200	1.38	329	2.26	815	5.61	755	145	25			✓	HB	PP	✓			
Versaflex™ FFC Series																								
Fatty Food Contact																								
FFC 2882-50	Trans.	52A	0.90	–	–	–	169	1.17	307	2.11	957	6.60	630	–	–			✓		PP	✓	✓		
FFC 2882-87	Trans.	87A	0.88	–	–	–	829	5.72	888	6.12	1090	7.49	800	–	–			✓		PP	✓	✓		
Versaflex™ OM Series																								
Overmolding Grades																								
OM 1040X	Natural	42A	0.92	22	–	–	180	1.24	301	2.07	504	3.47	582	100	18	✓	✓	✓		ABS, PC	✓			
OM 1060X	Natural/Black	60A	0.93	29	–	–	310	2.14	470	3.24	595	4.1	494	150	26			✓	*HB	ABS, PC, COPE	✓			
OM 1245X	Natural	45A	0.94	31	–	–	260	1.79	507	3.49	886	5.97	490	–	–			✓		ABS, PC	✓			
OM 3060	Clear	60A	0.90	33	–	–	420	2.9	360	2.48	500	3.44	475	180	32	✓	✓	✓	HB	ABS, PC	✓			
OM 6240	Natural	42A	1.10	22	–	–	150	1.03	243	1.67	285	1.96	513	90	16			✓		Nylon	✓			
OM 6258	Natural/Black	60A	1.09	23	–	–	275	1.9	385	2.65	405	2.8	344	110	18			✓	*HB	Nylon	✓			
OM 6275	Natural	75A	1.10	25	–	–	424	3.31	630	4.34	609	4.19	260	170	29			✓		Nylon	✓			
OM 9-801N	Natural	47A	1.04	43	–	–	210	1.45	261	1.79	651	4.48	823	100	18			✓	HB	Universal*	✓			
OM 9-802CL	Clear	40A	0.93	43	–	–	230	1.59	310	2.14	1125	7.75	1226	140	25			✓		Universal*	✓			

¹ See data sheet for details

		GENERAL PROPERTIES					TENSILE PROPERTIES									REGULATORY					BONDING		PROCESS	
Color	Hardness	Specific Gravity	Compression Set @ 23°C		Compression Set @ 100°C	100% Modulus		300% Modulus		Tensile Strength		Elongation		Tear Strength		ISO 10993	USP VI	NSF	RoHS	UL 94	Suitable Substrates	Injection	Extrusion	Blow
	ASTM/ISO Shore A	ASTM/ISO	ASTM %	ISO %	ASTM/ISO %	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM/ISO %	ASTM pli	ISO kN/m										
OnFlex™ BIO 5300 Series																								
Good Abrasion Resistance																								
BIO 5370A-E0004	Natural/Black	70A	1.05								1726	11.9	410	255	45									
BIO 5380A-E0006	Natural/Black	80A	1.07								2886	19.9	507	360	65									
OnFlex™ S EF Series																								
High Flow																								
S EF 40A-3S1964	Natural/Black	40A	0.98	–	15	95	174	1.2	276	1.9	754	5.2	670	120	21				✓		PP	✓		
S EF 50A-3S1965	Natural/Black	50A	0.98	–	15	95	218	1.5	334	2.3	914	6.3	680	140	25				✓		PP	✓		
S EF 60A-3S1967	Natural/Black	60A	0.98	–	14	93	276	1.9	421	2.9	1040	7.2	650	160	28				✓		PP	✓		
S EF 70A-3S1975	Natural/Black	70A	0.98	–	13	92	348	2.4	522	3.6	1280	8.8	610	190	33				✓		PP	✓		
S EF 80A-3S1977	Natural/Black	80A	0.98	–	30	91	667	4.6	870	6	1740	12.0	700	240	42				✓		PP	✓		
OnFlex™ S EH Series																								
Good UV Resistant Grades																								
S EH 40A-3S7001	Natural/Black	40A	1.20	–	20	72	174	1.2	290	2	580	4.0	620	110	19				✓		PP	✓		
S EH 50A-3S7002	Natural/Black	50A	1.20	–	21	74	218	1.5	319	2.2	580	4.0	680	110	19				✓		PP	✓		
S EH 60A-3S7003	Natural/Black	60A	1.20	–	25	78	276	1.9	421	2.9	1040	7.2	650	160	28				✓		PP	✓		
S EH 70A-3S7004	Natural/Black	70A	1.20	–	29	78	348	2.4	464	3.2	725	5.0	550	150	26				✓		PP	✓		
S EH 80A-3S7005	Natural/Black	80A	1.20	–	39	88	508	3.5	653	4.5	1020	7.0	500	190	33				✓		PP	✓		
OnFlex™ S FR Series																								
Flame Retardant (Halogenated)																								
S FR 25A-3S1830	Natural/Black	25A	1.20	–	12	49	102	0.7	276	1.9	348	2.4	400	77	14				✓	V-0	PP	✓		
S FR 40A-3S1841	Natural/Black	40A	1.20	–	14	47	160	1.1	450	3.1	653	4.5	430	100	18				✓	V-0	PP	✓		
S FR 50A-3S1831	Natural/Black	50A	1.20	–	10	44	218	1.5	522	3.6	870	6.0	510	130	23				✓	V-0	PP	✓		
S FR 60A-3S1846	Natural/Black	60A	1.20	–	17	47	261	1.8	580	4	972	6.7	510	150	27				✓	V-0	PP	✓		
S FR 70A-3S1890	Natural/Black	70A	1.20	–	19	53	392	2.7	754	5.2	1190	8.2	500	170	30				✓	*V-0	PP	✓		
S FR 80A-3S1892	Natural/Black	80A	1.20	–	27	71	551	3.8	856	5.9	1230	8.5	480	190	34				✓	*V-0	PP	✓		
OnFlex™ HT Series																								
High Temperature Sealing																								
HT 40A-3E2131	Natural/Black	40A	1.00	–	12	45	145	1.0	290	2.0	891	6.15	705	–	–				✓		PE, PP	✓	✓	
HT 50A-3E2099	Natural/Black	50A	1.00	–	20	42	217	1.5	348	2.4	1057	7.3	680	–	–				✓		PE, PP	✓	✓	
HT 60A-3E2101	Natural/Black	60A	1.00	–	24	42	275	1.9	435	3.0	1335	9.2	745	–	–				✓		PE, PP	✓	✓	
HT 70A-3E2103	Natural/Black	70A	1.00	–	25	51	340	2.35	500	3.45	1225	8.45	715	–	–				✓		PE, PP	✓	✓	
OnFlex™ HFFR Series																								
Halogen Free Flame Retardant																								
HFFR 310-01	Natural/Black	87A	1.01	–	–	–	1300	8.96	–	–	2200	15.16	240	350	61							✓		
HFFR 315-01	Black	75A	1.01	–	–	–	–	–	–	–	2900	19.99	250	–	–							✓		
HFFR 320-01	Natural/Black	88A	1.01	–	–	–	1320	9.1	–	–	2200	15.17	240	360	63					See data sheet for details		✓		
HFFR 360-0185	Black	88A	1.01	–	–	–	1100	7.58	–	–	1280	8.82	140	–	–						✓			
HFFR 361-0190	Black	92A	1.01	–	–	–	–	–	–	–	1770	12.20	220	–	–						✓			

¹ See data sheet for details

		GENERAL PROPERTIES						TENSILE PROPERTIES						REGULATORY				BONDING		PROCESS			
Color	Hardness	Specific Gravity	Compression Set @ 23°C		Compression Set @ 100°C	100% Modulus		300% Modulus		Tensile Strength		Elongation	Tear Strength		ISO 10993*	USP VI	NSF	RoHS	UL 94*	Suitable Substrates	Injection	Extrusion	Blow
	ASTM/ISO Shore A	ASTM/ISO	ASTM %	ISO %	ASTM/ISO %	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM/ISO %	ASTM pli	ISO kN/m									
OnFlex™ S KG Series General Purpose																							
S KG 40A-3S2016	Natural/Black	40A	1.12	–	31	80	189	1.3	319	2.2	377	2.6	330	91	16					Nylon	✓	✓	
S KG 50A-3S2017	Natural/Black	50A	1.13	–	32	82	247	1.7	377	2.6	464	3.2	330	100	18					Nylon	✓	✓	
S KG 60A-3S2018	Natural/Black	60A	1.13	–	32	81	319	2.2	479	3.3	508	3.5	290	120	21					Nylon	✓	✓	
S KG 70A-3S2019	Natural/Black	70A	1.13	–	32	85	392	2.7	580	4	566	3.9	260	140	24					Nylon	✓	✓	
OnFlex™ S KA Series High Temperature Overmolding																							
S KA 40A-3S1767	Natural/Black	40A	1.09	–	13	57	145	1	334	2.3	435	3.0	410	99	17					Nylon	✓	✓	
S KA 60A-3S1769	Natural/Black	60A	1.09	–	13	55	348	2.4	609	4.2	653	4.5	450	170	30					Nylon	✓	✓	
S KA 80A-3S1770	Natural/Black	80A	1.10	–	23	54	566	3.9	885	6.1	1090	7.5	500	260	46					Nylon	✓	✓	
OnFlex™ S KE Series Scratch Resistant Overmolding																							
S KE 40A-3S1727	Natural/Black	40A	1.06	–	38	72	174	1.2	406	2.8	522	3.6	300	76	13					ABS, Acrylics PC, COPE	✓	✓	
S KE 50A-3S1731	Natural/Black	50A	1.07	–	35	68	247	1.7	566	3.9	624	4.3	350	–	–					ABS, Acrylics PC, COPE	✓	✓	
S KE 60A-3S1725	Natural/Black	60A	1.12	–	35	73	319	2.2	653	4.5	1040	7.2	420	–	–					ABS, Acrylics PC, COPE	✓	✓	
S KE 70A-3S1726	Natural/Black	70A	1.14	–	29	73	435	3	841	5.8	1640	11.3	500	–	–					ABS, Acrylics PC, COPE	✓	✓	
OnFlex™ U 5300 Series Excellent Scratch Resistance																							
U 5355A-S0014	Natural/Black	55A	1.02	–	–	–	334	2.3	638	4.4	2130	14.7	630	–	–					ABS, Acrylics PC, COPE	✓		
U 5370A-S0015	Natural	70A	1.05	–	–	–	580	4	1350	9.3	3630	25.0	520	–	–					ABS, Acrylics PC, COPE	✓		
U 5380A-S0013	Natural/Black	80A	1.09	–	31	–	667	4.6	1510	10.4	4790	33.0	540	–	–					ABS, Acrylics PC, COPE	✓		
OnFlex™ U Automotive Series Low Fogging, Matte, Low Abrasion																							
U 5370A-E0077	Black	70A	1.08	–	–	–	348	2.4	725	5	2567	17.7	575	290	50					ABS, Acrylics PC, COPE	✓	✓	
U 5470A-E0083	Natural	70A	1.08	–	–	–	682	4.7	1624	11.2	3147	21.7	485	330	57					ABS, Acrylics PC, COPE	✓	✓	
Dynalloy™ OBC 8000 Series² Non-tacky, General Purpose																							
OBC 8000-N30	Natural	29A	1.06	22	–	–	100	0.68	138	0.95	424	2.95	1072	–	–					PP	✓		
OBC 8000-T05	Trans.	57 00	0.87	10	–	–	15	0.10	–	–	179	1.23	1411	–	–					PE, PP	✓		
OBC 8000-T40	Trans.	41A	0.88	24	–	–	160	1.1	246	1.69	494	3.40	842	–	–					PE, PP	✓	✓	
OBC 8000-T60	Trans.	61A	0.88	30	–	–	265	1.82	353	2.46	572	3.94	706	–	–					PE, PP	✓	✓	
Dynalloy™ OBC 8200² Blow Molding																							
OBC 8200-BT50	Trans.	48A	0.90	17	–	–	175	1.20	–	–	685	4.71	930	130	22					PE, PP	✓	✓	✓
Dynalloy™ OBC 8900² Good Processing Stability																							
8900-30	Natural	28A	0.89	17	–	–	172	1.18	–	–	350	2.41	731	80	14					LDPE, PP	✓		
8900-60	Natural	58A	0.89	19	–	–	250	1.72	–	–	490	3.37	680	165	28.9					LDPE, PP	✓		
8900-80	Natural	80A	0.89	22	–	–	594	4.09	–	–	893	6.15	603	265	46.4					LDPE, PP	✓		

²Dynalloy OBC compounds use INFUSE™ Olefin Block Copolymers

¹See data sheet for details



Powered by INFUSE™ Polymers

	GENERAL PROPERTIES						TENSILE PROPERTIES								REGULATORY			BONDING	PROCESS					
	Color	Hardness	Specific Gravity	Compression Set @ 23 °C		Compression Set @ 100 °C	100% Modulus		300% Modulus		Tensile Strength		Elongation	Tear Strength		ISO 10993	USP VI	NSF	RoHS	UL 94	Suitable Substrates	Injection	Extrusion	Blow
		ASTM/ISO Shore A	ASTM/ISO	ASTM %	ISO %	ASTM/ISO %	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM/ISO %	ASTM pli	ISO kN/m									
Dynaflex™ D Series Economy Grades																								
D3226	Natural	40A	0.99	15	–	–	430	2.96	–	–	520	3.58	380	90	16			✓		PS	✓			
D3202	Natural	59A	0.99	16	–	–	670	4.62	–	–	650	4.48	225	140	25			✓		PS	✓			
D3204	Natural	78A	1.01	22	–	–	990	6.83	–	–	1102	7.60	422	260	46			✓		PS	✓			
Dynaflex™ G 2700 Series Excellent Colorability																								
G2701	Trans.	66A	0.90	24	–	–	490	3.38	643	4.43	1100	7.58	680	240	42			✓		PP	✓			
G2703	Trans.	60A	0.90	21	–	–	310	2.14	514	3.54	1070	7.37	703	180	32			✓		PP	✓			
G2706	Trans.	28A	0.89	8	–	–	90	0.62	273	1.88	800	5.51	658	80	14	✓	✓	✓		PP	✓			
G2709	Trans.	53A	0.89	18	–	–	240	1.65	400	2.75	953	6.57	705	140	25			✓		PP	✓			
G2711	Trans.	43A	0.89	14	–	–	180	1.24	370	2.55	778	5.36	639	130	23	✓	✓	✓		PP	✓			
G2755	Trans.	53A	0.88	17	–	–	220	1.52	330	2.28	655	4.51	660	120	21			✓		PP	✓			
G2780	Trans.	84A	0.90	18	–	–	840	5.79	1140	7.86	1100	7.58	350	250	44			✓		PE	✓			
Dynaflex™ G 6700 Series Very Soft																								
G6703	Trans.	3A	0.90	8	–	–	20	0.14	50	0.34	550	3.79	1088	40	7			✓			✓			
G6713	Trans.	14A	0.88	9	–	–	57	0.39	94	0.64	224	1.54	648	40	7			✓		PP	✓			
Dynaflex™ G Opaque Series Specialty Grades																								
G7431	Natural	66A	0.92	18	–	–	390	2.69	606	4.17	1567	10.80	606	200	35			✓		PP	✓	✓		
G7702	Black	37A	1.10	11	–	28	140	0.96	390	2.68	550	3.79	480	120	21			✓		PP	✓	✓		
Dynaflex™ 7900 Series General Purpose, * NSF 51 Listed versions are available																								
G7930	Natural/Black	30A	1.05	13	–	–	130	0.89	200	1.37	480	3.3	650	100	18			*	✓	HB	PP	✓		
G7940	Natural/Black	40A	1.18	12	–	–	180	1.17	295	2.03	520	3.58	580	100	18			*	✓	HB	PP	✓		
G7950	Natural/Black	50A	1.18	13	–	–	250	1.72	360	2.48	660	4.55	620	120	21			*	✓	HB	PP	✓		
G7960	Natural/Black	60A	1.18	17	–	–	310	2.14	380	2.62	920	6.34	760	140	25			*	✓	HB	PP	✓		
G7970	Natural/Black	70A	1.18	20	–	–	380	2.62	450	3.10	955	6.58	720	160	28			*	✓	HB	PP	✓		
G7980	Natural/Black	80A	1.18	26	–	–	530	3.65	590	4.06	980	6.75	620	190	33			*	✓	HB	PP	✓		
G7990	Natural/Black	90A	1.18	–	–	–	–	–	1000	6.89	1720	11.85	590	–	–			✓		PP	✓			

¹ See data sheet for details

- Properties shown are typical values and are not intended as product specifications. All properties were measured using natural product unless otherwise specified.
- For some products, the black properties will differ slightly from the natural version — refer to product Technical Data Sheet for specific product properties.
- The test methods used are modifications of the ASTM/ISO procedures— refer to product Technical Data Sheet for specific testing parameters.
- All tests are conducted on injection molded samples.
- * Please refer to technical data sheet for complete information.

GENERAL PROPERTIES							TENSILE PROPERTIES							REGULATORY				BONDING		PROCESS					
Color	Hardness	Specific Gravity	Compression Set @ 23°C		Compression Set @ 100°C		100% Modulus		300% Modulus		Tensile Strength		Elongation		Tear Strength		ISO 10993	USP VI	NSF	RoHS	UL 94	Suitable Substrates	Injection	Extrusion	Blow
	ASTM/ISO Shore A	ASTM/ISO	ASTM %	ISO %	ASTM/ISO %	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM/ISO %	ASTM pli	ISO kN/m											
Versalloy™ XL Series High Flow																									
XL 9045	Natural	44A	0.88	19	–	39	170	1.17	320	2.20	484	3.33	478	100	18				✓		PP	✓			
XL 9055	Natural/Black	53A	0.89	20	–	44	210	1.45	335	2.30	583	4.01	611	120	21				✓	*HB	PP	✓			
XL 9070	Natural/Black	70A	0.89	23	–	53	360	2.48	512	3.53	788	5.43	580	180	32				✓	*HB	PP	✓			
Versalloy™ HC Series High Flow, Smooth Surface Aesthetics for Healthcare Applications																									
9210-45N	Natural	45A	0.88	19	–	39	160	1.10	320	2.20	484	3.33	478	100	18	✓			✓		PP	✓			
9210-55N	Natural	53A	0.89	20	–	44	208	1.43	335	2.30	580	3.99	610	120	21	¹			✓		PP	✓			
9210-70N	Natural	70A	0.89	23	–	53	356	2.45	510	3.51	780	5.37	585	180	32	✓			✓		PP	✓			
Versollan™ OM Series Thin Wall Overmolding																									
OM 1255NX	Natural/Black	61A	1.05	26	–	–	280	1.93	500	3.44	1025	7.06	675	220	39				✓	HB	ABS, PC, COPE	✓	✓		
OM 1262NX	Natural/Black	63A	1.18	35	–	–	370	2.55	512	3.53	1800	12.41	715	230	40				✓	HB	ABS, PC, COPE	✓	✓		
Versollan™ RU Series Abrasion Resistance																									
RU 2204X	Natural	59A	1.14	26	–	–	270	1.86	480	3.30	1800	12.4	690	240	42				✓		ABS, PC, COPE	✓	✓		
RU 2205	Natural	65A	1.16	34	–	–	380	2.62	575	3.96	2010	13.86	710	270	47				✓	HB	ABS, PC, COPE	✓	✓		

¹ See data sheet for details

Product choices often vary by region due to differences in regulatory and agency requirements, availability and other key factors. Please contact your nearest sales office for assistance in choosing the right solution for your locale.

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