

STERalloy FDG 2000 SERIES

Elastomeric

- FOOD & DRUG GRADE LIQUID MOLDING COMPOUNDS -

PROPERTIES		TEST METHOD	2021	2021-5	2036	2036-5	2056	2056-5
PHYSICAL PROPERTIES	Mix Ratio by volume A:B by weight A:B	Calculation	100:200 100:200	100:200 100:200	100:300 100:300	100:300 100:300	100:400 100:400	100:400 100:400
	Gel time 100 grams @ 25°C	ASTM D-2971	16 min. ± 2	5 min. ± 2	16 min. ± 2	5 min. ± 1	18 min. ± 2	5 min. ± 1
	Color (cured)	Visual	clear / translucent	clear / translucent	clear / translucent	clear / translucent	colorless / slightly cloudy	colorless / slightly cloudy
	Hardness Shore Scale	ASTM D-2240	20 A ± 5	20 A ± 5	35 A ± 5	35 A ± 5	55 A ± 5	55 A ± 5
	Viscosity mixed @ 25°C cps	ASTM D-4878	2,500	2,500	3,000	3,000	4,500	4,500
	Specific Gravity mixed @ 25°C	ASTM D-4669	1.15	1.15	1.16	1.16	1.16	1.16
	Shrinkage inch/inch See shrinkage percentage	ASTM D-2566	.001-.003	.002-.004	.001-.003	.002-.004	.001-.003	.002-.004
	Demold time @ 70°F 1/8" thick	HAPCO TEST	6 - 8 hours	2 - 4 hours	6 - 8 hours	2 - 4 hours	4 - 6 hours	1 - 2 hours
	Weight per cubic inch (lbs.)	Calculation	0.0415	0.0415	0.0419	0.0419	0.0419	0.0419
	PRODUCT PROPERTIES	Tensile Strength (psi)	ASTM D-638	300	300	450	450	650
Elongation %		ASTM D-638	>1,200	>1,200	1,000	1,000	950	950
Tear Strength (pli)		ASTM 624 Die C	65	65	85	85	120	120
Modulus of Elasticity psi (000)		ASTM D-638	NA	NA	NA	NA	NA	NA
Izod Impact (Ft.lbs/inch) notched unnotched		ASTM D-256	No Break	No Break	No Break	No Break	No Break	No Break
Heat Distortion Temperature (° C) 66 psi 264 psi		ASTM D-648	NA	NA	NA	NA	NA	NA
Flexural Strength (psi)		ASTM D-790	NA	NA	NA	NA	NA	NA
Flexural Modulus psi (000)		ASTM D-790	NA	NA	NA	NA	NA	NA
Available in Flame Retardant (FR)		94V	NA	NA	NA	NA	NA	NA
FDA Status (components may appear in one or more of these sections)		CFR CFR	Uses all FDA approved components per: 21.175.105 CFR 21.177.1680 CFR					

NOTE: Before use, reference material handling, processing, and safety notes located at the end of this brochure