

glass fabricators inc.

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PERMISSIBLE LOADS FOR GLASS SHELVES

“The permissible load for annealed glass shelves is based on two-sided support, maximum load less dead weight of glass, minimum published glass thickness from ASTM Specification C1036-90, modulus of rupture of 6000 psi for annealed float glass and a design factor of 5. This results in a probability breakage of 8 in 1000 when shelves are loaded to the design maximum permissible load for long durations.”

Distance Between Supports (feet)					
	1	2	3	4	5

Nominal Glass Thickness	Approximate Permissible Load - Pounds per Square Foot				
3/16" annealed glass	49	10	3	1	
1/4" annealed glass	73	16	5	2	
3/8" annealed glass	196	45	17	8	3
1/2" annealed glass	345	81	33	15	7
3/4" annealed glass	817	197	82	42	23

Libbey Owens Ford

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