



# ALLOWABLE UNIFORM LOAD CAPACITY (PSF) TULSA 19/32 EXT. B-B MDO 2-S GROUP 1 PANELS

The attached information is based upon recognized industry standards, testing and quality control procedures. The information is provided for information purposes. For project specific application, a design professional should be consulted.

NOMINAL PANEL THICKNESS	SPAN CONDITION	LOAD GOVERNED BY	SPAN - Center-to-Center of Supports (in)												
			STRENGTH AXIS PERPENDICULAR TO SUPPORTS												
			4	8	12	16	19.2	24	30	32	36	40	48	60	
19/32	SINGLE SPAN	L/360	36704	2022	471	177	97	47	23	18	12	9	5	2	
		L/240	55057	3033	707	266	145	70	34	28	19	13	7	3	
		L/180	73409	4044	943	354	194	94	46	37	25	18	10	5	
		Bending	3120	780	346	195	135	86	55	48	38	31	21	13	
		Shear	2784	1070	662	480	393	309	244	228	201	180	149	118	
		<b>Allowable</b>	<b>2784</b>	<b>780</b>	<b>346</b>	<b>195</b>	<b>135</b>	<b>86</b>	<b>55</b>	<b>48</b>	<b>38</b>	<b>31</b>	<b>21</b>	<b>13</b>	
	DOUBLE SPAN	L/360	88416	4871	1135	427	233	113	55	45	31	22	12		
		L/240	132624	7307	1703	640	350	169	83	67	46	33	19		
		L/180	176833	9743	2271	854	467	226	111	90	62	44	25		
		Bending	3120	780	346	195	135	86	55	48	38	31	21		
		Shear	2227	856	530	384	314	247	195	182	161	144	119		
		<b>Allowable</b>	<b>2227</b>	<b>780</b>	<b>346</b>	<b>195</b>	<b>135</b>	<b>86</b>	<b>55</b>	<b>48</b>	<b>38</b>	<b>31</b>	<b>21</b>		
	TRIPLE SPAN	L/360	69418	3824	891	335	183	88	43	35					
		L/240	104128	5737	1337	503	275	133	65	53					
		L/180	138837	7649	1783	671	367	177	87	71					
		Bending	3900	975	433	243	169	108	69	60					
		Shear	2320	892	552	400	327	257	203	190					
		<b>Allowable</b>	<b>2320</b>	<b>892</b>	<b>433</b>	<b>243</b>	<b>169</b>	<b>108</b>	<b>69</b>	<b>60</b>					

Notes:

- 1 "Allowable" represents the governing shear and bending pressures without consideration of deflection.
- 2 Above table is based upon the following minimum allowable properties:
  - Bending Stiffness, EI (lbf-in<sup>3</sup>/ft): 205000
  - Bending Strength, FbS (lbf-in/ft): 520
  - Panel Shear in Plane, Fs(Ib/Q) (lbf/ft): 290
- 3 Plywood meets the minimum performance criteria in accordance with the Voluntary Product Standard PS 1-09, Structural Plywood.
- 4 Normal duration of load and dry-conditions utilized, see National Design Specification (NDS) for appropriate adjustment factors for other conditions.
- 5 Pressure nor fire-retardant treatment has been considered in the development of the above loads.
- 6 Values based on a minimum panel width of 24 inches. See NDS for appropriate adjustment factor for narrower members.
- 7 2" nominal framing members are assumed for support spacings less than 48" center-to-center. 4" nominal framing members are assumed for support spacings of 48" or greater.