



Industrial Linings, Inc.

8475 Bellingrath Road
Phone: 251-653-5052

PO Box 190580
Fax: 251-653-7367

Mobile, AL 36619
Toll Free: 800-350-0795

Safety Factors

Our contact molded duct has a safety factor of 10:1 in accordance with applicable ASTM specifications.

Physical & Mechanical Properties of FRP Duct and Stacks

Property at 73.4 °F (23°C)	1/8 to 3/16 inches	1/4 inch	5/16 inch	3/8 and up inches
Ultimate tensile strength (min.)	9,000 psi	12,000 psi	13,500 psi	15,000 psi
Flexural strength (min.)	16,000 psi	19,000 psi	20,000 psi	22,000 psi
Flexural modulus of elasticity (tangent) (min.)	700,000 psi	80,000 psi	900,000 psi	1,000,000 psi

Maximum Hanger Spacing

Hangers shall be band-type metal or of equivalent fire retardancy to the duct material containing 180° of the duct surface. The maximum hanger spacing should be in accordance with this table.

Maximum Allowable Span

Diameter		125 MPH (200 KPH)		No Wind	
IN	MM	FT	M	FT	M
2	51	6	1.8	9	2.7
3	76	7	2.1	11	3.3
4	102	8	2.4	12	3.7
6	152	9	2.7	12	3.7
8	203	10	3.0	12	3.7
10	254	10	3.0	18	5.5
12	205	11	3.3	20	6.1
14	356	12	3.7	20	6.1
16	406	13	4.0	20	6.1
18	457	14	4.3	20	6.1
20	508	15	4.6	20	6.1
24	610	18	5.5	20	6.1
30	762	20	6.1	20	6.1