

Corrosion Resistance Product

CBF series corrosion resistant liners is made of 100% PTFE and is designed for the most challenging applications in the industry. The flexible CBF series has superior

multidirectional strength and Stress crack resistance.

CBF series is a multi-layered crossfilm laminate that is self-supporting. No reinforcing materials, which are susceptible to chemical attack, are needed. **CBF material is the winner of the 1995 DuPont's Plunkett Award and Chemical Processing's Vaaler Award.**



Comparison between CBF material and typical Perfluoroplastic Materials **Flex cycles (ISO 7854-1984)**

CBF material (0.2 to 0.36mm thickness)	Typical skived PTFE (0.13 to 0.38mm thickness)
Approx. 1,071,000 cycles	Approx. 180,000 cycles

Technical Properties

Properties	1-23	1-27	2-46	3-61	5-98	7-150	10-203	13-254	15-305
Upper use temperature, °C	316	316	316	316	316	316	316	316	316
Weight, g/m ²	228	270	459	610	984	1492	2034	2543	3052
Thickness, mm	0.1	0.13	0.23	0.3	0.51	0.76	1.02	1.27	1.52
Tensile strength, N/50mm	167	193	350	355	648	849	1156	1445	1664
Trapezoid Tear strength, (ASTM-D5587-05)	73	78	156	155	262	345	472	587	676

All CBF will have:

- PH range from 0 to 14.
- Excellent UV and Weathering Resistance

Thermotech cannot predict all of the potential applications for which customers may attempt to use our products. Our products will have varying degrees of effectiveness for each potential application depending on application conditions and the length of use. If the customer has any questions regarding the use of our products in a particular application, please contact Thermotech and we will provide a sample for testing.

The above technical data are subject to change w/o prior notice and are not intended to be used as specifications.