

## RESISTOFLEX® ATL Product Offering

### ATL Product Offering

A 1"-12" ANSI and DN25-300 DIN PTFE lined piping system that meets all ASTM F1545 requirements and the following:

- PTFE resin conforms to ASTM D-4894 and is certified for food contact in compliance with FDA regulation 21CFR 177.1550
- ATL PTFE is lined using Resistoflex® highly engineered and patented Thermalok® technology
- Product is available in carbon steel and stainless steel housings and flanges
- Approved to PED Cat III



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### ANSI Dimensional Standard Products

- All dimensions and tolerances according to ANSI B16.5 (see Resistoflex® Plastic Lined Pipe & Fittings Design)
- ISO 9001 Certified
- Economical ductile iron (A395) fitting housings and flanges available
- ANSI B16.5 Class 150 & 300 flanged systems available

### DIN Dimensional Standard Products

Dimensions and tolerances according to DIN 2848:2000.

- TA Luft certification
- GKV / DIN 2874:2002-06 requirements for PTFE
- DVGW conformity
- DIN 2848 PN 10 & PN 25 flanged systems available

In addition to careful processing, adequate liner thickness and rigorous testing provide confidence that the liner will do its job under all process conditions. The table below illustrates typical advertising claims for various PTFE lined pipe suppliers.

### Standard Manufacturing: PTFE Liner Thickness Comparison

Diameter NPS (NB)	Resistoflex® ATL HD Isostatic Molded Liner	Competitor A Std Wall Paste Extruded Liner	Competitor B Std Wall Paste Extruded Liner	Competitor C Std Wall Paste Extruded Liner
1" (DN 25)	<b>.130" (3.3 mm)</b>	3.0	3.0	1.78
1.5" (DN 40)	<b>.150" (3.8 mm)</b>	3.0	3.0	2.3
2" (DN 50)	<b>.155" (3.9 mm)</b>	3.0	3.0	2.3
3" (DN 80)	<b>.155" (3.9 mm)</b>	3.5	3.0	2.3
4" (DN 100)	<b>.160" (4.1 mm)</b>	4.5	3.0	2.5
6" (DN 150)	<b>.255" (6.5 mm)</b>	5.0	5.0	3.8
8" (DN 200)	<b>.310" (7.9 mm)</b>	5.0	5.0	3.8
10" (DN 250)	<b>.350" (8.9 mm)</b>	5.0	5.0	3.8
12" (DN 300)	<b>.450" (11.4 mm)</b>	5.5	5.0	4.3
ASTM F1545 Documentation	<b>Yes / ALL</b>	Limited	Limited	Limited
Vacuum Rating	<b>Full Vacuum / 450°F (232°C)</b>	DN 25-100 FV / 150°C >100 mm: No	DN 25-100 FV / 100°C >100 mm: No	No

All dimensions and tolerances according to ANSI B16.5 (see Resistoflex® Plastic Lined Pipe & Fittings Design Manual).