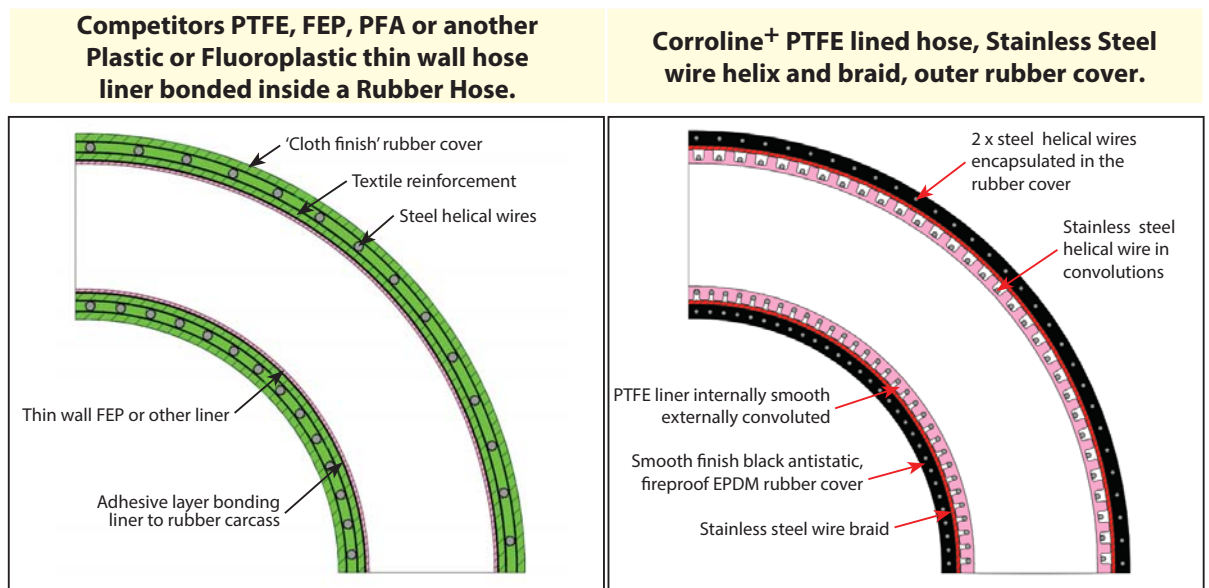


# Comparison with Competitors Hose



<b>Bore Profile</b>	Smoothbore, but internal profile collapses into large uneven ripples when flexed	✗	Smoothbore internal profile slightly rippled, ripples increase evenly when flexed	✓
<b>Liner Material</b>	FEP or another Fluoroplastic liner, - Good but not as good as PTFE XLPE or UHMWPE - Fair chemical resistance	✗ X	PTFE Liner -Best for chemical resistance and temperature resistance	✓
<b>Process Fluid Contamination Risk</b>	High Risk - adhesive layer can leach in to contaminate the process fluid through pinholes in the thin wall liner, caused by static discharge, flex induced porosity, hose kinking etc.	X	No Risk - no adhesive layer - no non-FDA approved materials present in the hose construction	✓
<b>Flexibility</b>	Fair to Poor - Very stiff, with a large minimum bend radius	X	Good - More flexible, reduced minimum bend radius	✓
<b>Flex Life (Rolling 'U' Test)</b>	Poor, typically from 1000 to 7000 cycles to failure	X	Excellent 100,000+ cycles without failure	✓
<b>Kink Resistance</b>	Good	✗	Excellent	✓
<b>Cut Through or Puncture Resistance</b>	Fair (Textile braid protection)	✗	Good (Stainless Steel Wire Braid Protection)	✓
<b>Antistatic Liner Quality to FDA Requirements (&lt;2.5% High Purity Black)</b>	Often more than 2.5% Black (non-FDA), often unevenly dispersed, leading to carbon agglomerates which contaminate Process Fluid	X	Always less than 2.5% Black, very evenly dispersed and guaranteed agglomerate-free. 'Leachable and Extractable' testing yields zero carbon	✓
<b>Fire Resistance</b>	Not tested or approved to be Fireproof	X	Tested and approved 'Fireproof' to BS5173 Section 103.13	✓