

Sr. No.	Test Specification	Test Standard	Test result
1.	Polymer Identification	ASTM D 2116	FEP
2.	Specific Gravity (g/cm ³)	ASTM D 792	2.12-2.17
3.	Tensile Strength (On FEP resin) (MPa $\geq$)	ASTM D 2116	29.5
4.	Tensile Strength (On FEP Pipe)(MPa $\geq$)	ASTM D 3296	29.5
5.	Elongation at break (On FEP resin)(% $\geq$)	ASTM D 2116	346
6.	Elongation at break (On FEP Pipe)(% $\geq$)	ASTM D 3296	346
7.	Dielectric Breakdown Voltage 1.5mm thickness (V)	ASTM D 149	~29.5 kV
8.	Dielectric Breakdown Voltage 3.0mm thickness (V)	ASTM D 149	~59.1 kV
9.	Dimensional Stability	ASTM D 3296	No significant change in dimensions when subjected to 200 degree centigrade of circulating air.
10.	Heat Resistance	ASTM D 3296	Tubing is free of cracks and exhibit no splitting after 3 hours in a circulating oven at 200 $\pm$ 2 °C, as per ASTM D3296-24, Clause 8.1.8.

