

5.2.6 Specific Gravity 2.14 - 2.21 ASTM D1675
 ϕ

5.2.7 Mandrel Bend (dielectric breakdown reduction), %, max 25 ASTM D1675

6. **QUALITY:** The product shall be uniform in quality and condition, clean, smooth, and free from foreign materials and from imperfections detrimental to fabrication, appearance, or performance of parts.

7. **SIZES AND TOLERANCES:** Unless otherwise specified, the following sizes are standard and the tolerances apply at 75 - 85 F (23.9 - 29.4 C) when measured in accordance with ASTM D1675.

ϕ	Size	Inside Diameter, Inch			Wall Thickness, Inch	
		Nominal	Minimum	Maximum	Nominal	Tolerance plus or minus
	30	0.012	0.010	0.015	0.006	0.002
	28	0.015	0.013	0.018	0.006	0.002
	26	0.018	0.016	0.021	0.006	0.002
	24	0.022	0.020	0.026	0.008	0.002
	22	0.028	0.026	0.032	0.008	0.002
	20	0.034	0.032	0.038	0.008	0.002
	19	0.038	0.036	0.042	0.008	0.002
	18	0.042	0.040	0.046	0.008	0.002
	17	0.047	0.045	0.052	0.008	0.002
	16	0.053	0.051	0.058	0.008	0.002
	15	0.059	0.057	0.065	0.008	0.002
	14	0.066	0.064	0.072	0.008	0.002
	13	0.076	0.072	0.081	0.008	0.002
	12	0.085	0.081	0.091	0.008	0.002
	11	0.095	0.091	0.101	0.008	0.002
	10	0.106	0.102	0.112	0.008	0.002
	9	0.118	0.114	0.124	0.008	0.002
	1/8 in.	-	0.125	0.139	0.008	0.002
	8	0.133	0.129	0.139	0.008	0.002
	7	0.148	0.144	0.155	0.008	0.002
	6	0.166	0.162	0.174	0.010	0.003
	5	0.186	0.182	0.195	0.010	0.003
	4	0.208	0.204	0.218	0.010	0.003
	3	0.234	0.229	0.244	0.010	0.003
	1/4 in.	-	0.250	0.260	0.010	0.003
	2	0.263	0.258	0.273	0.010	0.003
	1	0.294	0.289	0.305	0.010	0.003
	5/16 in.	-	0.313	0.334	0.012	0.003
	0	0.330	0.325	0.342	0.012	0.003
	3/8 in.	-	0.375	0.394	0.015	0.005
	1/2 in.	-	0.500	0.520	0.018	0.005
	5/8 in.	-	0.625	0.650	0.020	0.005
	3/4 in.	-	0.750	0.775	0.020	0.005

8. **REPORTS:**

8.1 Unless otherwise specified, the vendor of the product shall furnish with each shipment three copies of a report stating that the product conforms to the requirements of this specification. This report shall include the purchase order number, material specification number, vendor's compound number, color, size, and quantity.