

# high performance fluoropolymer and fluoroplastic tubing and pipe

## ALTAFLUOR 400®

Due to the nature of applications involving the use of fluoropolymers, we suggest that all customers test product within the conditions specific to their application prior to use.

### ALTAFLUOR 400® Series PFA – Physical Properties

PHYSICAL PROPERTY	ASTM TEST METHOD	UNITS	VALUES
Upper Service Temp.			500° F
Specific Gravity	D 792		2.15
Tensile Strength	D 1708	PSI	4200
Elongation	D 638	%	400
Flex Modulus	D 790	PSI	90,000
MIT Flex Life	D 2176		500,000+
Hardness	D 2240	Shore D	60

The above information is based on tests performed at 73° F and can vary in individual applications based on parameters such as temperature, chemical concentration, pressure, etc. Please consult factory for details.

NOTE: The values represented above are based on the use of 100% virgin grade high performance - low melt flow PFA resin as used in the production of ALTAFLUOR 400 Series Tubing. When comparing data it is critical that performance values are listed for the grade of resin used.

**NEW:** Low permeation PFA tubing is also available – please consult factory for details.

### ALTAFLUOR 400® – Bend Radius and Working Pressure Chart

PART NUMBER	OD	WALL	ID	BEND RADIUS	WORKING PRESSURE @ 72°F
400-0125-030-	0.125	0.030	0.062	1/2"	449
400-0156-030-	0.156	0.030	0.094	1/2"	360
400-0188-030-	0.188	0.030	0.125	3/4"	299
400-0188-062-	0.188	0.062	0.062	1/2"	617
400-0250-030-	0.250	0.030	0.188	1"	225
400-0250-040-	0.250	0.040	0.170	1"	300
400-0250-047-	0.250	0.047	0.157	3/4"	352
400-0250-062-	0.250	0.062	0.125	1/2"	464
400-0313-030-	0.313	0.030	0.250	1-3/4"	179
400-0313-062-	0.313	0.062	0.188	1"	371
400-0375-030-	0.375	0.030	0.313	2-1/2"	150
400-0375-062-	0.375	0.062	0.250	1"	310
400-0438-030-	0.438	0.030	0.375	3-1/2"	128
400-0438-062-	0.438	0.062	0.313	2"	265
400-0500-030-	0.500	0.030	0.438	4"	112
400-0500-062-	0.500	0.062	0.375	2"	232
400-0625-030-	0.625	0.030	0.562	6-1/2"	90
400-0625-062-	0.625	0.062	0.500	3"	186
400-0750-030-	0.750	0.030	0.688	8"	75
400-0750-062-	0.750	0.062	0.625	6"	155
400-0875-062-	0.875	0.062	0.750	12"	133
400-1000-062-	1.000	0.062	0.875	22"	116
400-1125-062-	1.125	0.062	1.000	n/a	105
400-1250-062-	1.250	0.062	1.125	n/a	84
<b>METRIC SIZES</b>					
400-0157-040-	0.157	0.040	0.078	1-1/2"	468
	4mm	1mm	2mm		
400-0236-040-	0.236	0.040	0.157	1-3/4"	312
	6mm	1mm	4mm		
400-0315-040-	0.315	0.040	0.236	2-1/2"	234
	8mm	1mm	6mm		
400-0394-040-	0.394	0.040	0.315	2-3/4"	187
	10mm	1mm	8mm		
400-0472-040-	0.472	0.040	0.394	4"	156
	12mm	1mm	10mm		



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