

## Macaroni Tubing Performance Ratings - Imperial



Size O.D. (in.)	Nominal Weight (lbs/ft)		Grade	Collapse Resistance (psi)	Internal Yield Pressure at Minimum Yield, (psi)			Joint Strength, (lbs)			Pipe Body Yield (lbs)	Wall (in.)	I.D. (in.)	Drift (in.)
					Non Upset T&C	Integral Joint T&C	External Upset T&C	Non Upset T&C	Integral Joint T&C	External Upset T&C				
1.050	1.14	1.20	J-55	10,560	10,360		10,360	8,740		18,300	18,300	0.113	0.824	0.730
1.050	1.14	1.20	L-80	15,370	15,070		15,070	12,720		26,600	26,600	0.113	0.824	0.730
1.050	1.14	1.20	N-80	15,370	15,070		15,070	12,720		26,600	26,600	0.113	0.824	0.730
1.315	1.70	1.80	J-55	10,000	9,730	9,730	9,730	15,060	21,960	27,200	27,200	0.133	1.049	0.955
1.315	1.70	1.80	L-80	14,550	14,160	14,160	14,160	21,910	31,940	39,500	39,500	0.133	1.049	0.955
1.315	1.70	1.80	N-80	14,550	14,160	14,160	14,160	21,910	31,940	39,500	39,500	0.133	1.049	0.955
1.660	2.30	2.40	J-55	8,490	8,120	8,120	8,120	21,360	30,500	36,800	36,800	0.140	1.380	1.286
1.660	2.30	2.40	L-80	12,360	11,810	11,810	11,810	31,060	44,370	53,500	53,500	0.140	1.380	1.286
1.660	2.30	2.40	N-80	12,360	11,810	11,810	11,810	31,060	44,370	53,500	53,500	0.140	1.380	1.286
1.900	2.75	2.90	J-55	7,750	7,350	7,350	7,350	26,300	36,970	44,000	44,000	0.145	1.610	1.516
1.900	2.75	2.90	L-80	11,280	10,680	10,680	10,680	38,200	53,780	64,000	64,000	0.145	1.610	1.516
1.900	2.75	2.90	N-80	11,280	10,680	10,680	10,680	38,200	53,780	64,000	64,000	0.145	1.610	1.516
2.063		3.25	J-55	7,690	7,280	7,280	7,280		49,070	49,100	51,400	0.156	1.751	1.657
2.063		3.25	L-80	11,180	10,590	10,590	10,590		71,370	71,400	74,800	0.156	1.751	1.657
2.063		3.25	N-80	11,180	10,590	10,590	10,590		71,370	71,400	74,800	0.156	1.751	1.657
2.063		3.25	P-110	15,680	14,560		14,560			98,100	102,800	0.156	1.751	1.657

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					EUE T&C	EUE T&C	EUE T&C	EUE T&C	NUE T&C	Buttress T&C	EUE T&C				
2.375	4.60	4.70	J-55	8,100	7,700	7,700	7,700	7,700	49,500	71,700	71,700	71,700	0.190	1.995	1.901
2.375	4.60	4.70	L-80	11,780	11,200	11,200	11,200	11,200	71,900	104,300	104,300	104,300	0.190	1.995	1.901
2.375	4.60	4.70	N-80	11,780	11,200	11,200	11,200	11,200	71,900	104,300	104,300	104,300	0.190	1.995	1.901
2.375	4.60	4.70	P-110	16,130	15,400	15,400	15,400	15,400	98,900	143,500	143,500	143,500	0.190	1.995	1.901
2.375	5.80	5.95	L-80	15,280	14,970	14,850	14,850	11,430	103,000	135,400	135,400	135,400	0.254	1.867	1.773
2.375	5.80	5.95	N-80	15,280	14,970	14,850	14,850	11,430	103,000	135,400	135,400	135,400	0.254	1.867	1.773
2.375	5.80	5.95	P-110	21,010	20,590	20,590	20,430	15,720	141,600	186,200	186,200	186,200	0.254	1.867	1.773
2.875	6.40	6.50	J-55	7,680	7,260	7,260	7,260	7,260	72,600	99,700	99,700	99,700	0.217	2.441	2.347
2.875	6.40	6.50	L-80	11,170	10,570	10,570	10,570	10,570	105,600	145,000	145,000	145,000	0.217	2.441	2.347
2.875	6.40	6.50	N-80	11,170	10,570	10,570	10,570	10,570	105,600	145,000	145,000	145,000	0.217	2.441	2.347
2.875	6.40	6.50	P-110	14,550	14,530	14,530	14,530	14,530	145,200	199,300	199,300	199,300	0.217	2.441	2.347
2.875	7.80	7.90	L-80	13,890	13,440	13,440	13,440	11,040	140,900	180,300	180,300	180,300	0.276	2.323	2.229
2.875	7.80	7.90	N-80	13,890	13,440	13,440	13,440	11,040	140,900	180,300	180,300	180,300	0.276	2.323	2.229
2.875	7.80	7.90	P-110	19,090	18,480	18,480	18,480	15,180	193,700	247,900	247,900	247,900	0.276	2.323	2.229
2.875	8.60	8.70	L-80	15,300	15,000	15,000	14,950	11,040	159,300	198,700	198,700	198,700	0.308	2.259	2.165
2.875	8.60	8.70	N-80	15,300	15,000	15,000	14,950	11,040	159,300	198,700	198,700	198,700	0.308	2.259	2.165
2.875	8.60	8.70	P-110	21,040	20,620	20,620	20,560	15,180	219,100	273,200	273,200	273,200	0.308	2.259	2.165
3.500	7.70		J-55	5,970	5,940				89,500			122,600	0.216	3.068	2.943
3.500	7.70		L-80	7,870	8,640				130,100			178,300	0.216	3.068	2.943
3.500	7.70		N-80	7,870	8,640				130,100			178,300	0.216	3.068	2.943
3.500	9.20	9.30	J-55	7,400	6,990	6,990	6,990	6,990	109,400	142,500	142,500	142,500	0.254	2.992	2.867
3.500	9.20	9.30	L-80	10,540	10,160	10,160	10,160	10,160	159,100	207,200	207,200	207,200	0.254	2.992	2.867
3.500	9.20	9.30	N-80	10,540	10,160	10,160	10,160	10,160	159,100	207,200	207,200	207,200	0.254	2.992	2.867
3.500	9.20	9.30	P-110	13,530	13,970	13,970	13,970	13,970	218,700	284,900	284,900	284,900	0.254	2.992	2.867
3.500	10.20		J-55	8,330	7,950				127,300			160,300	0.289	2.922	2.797
3.500	10.20		L-80	12,120	11,560				185,100			233,200	0.289	2.922	2.797
3.500	10.20		N-80	12,120	11,560				185,100			233,200	0.289	2.922	2.797

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					Yield, (psi)										
	O.D.						EUE T&C		EUE T&C						
(in.)	NUE T&C	EUE T&C		(psi)	PE, NUE T&C	Buttress T&C	Reg. Cpl.	Spec. Cpl.	NUE T&C	Buttress T&C	EUE T&C	(lbs)	(in.)	(in.)	(in.)
3.500	12.70	12.95	L-80	15,310	15,000	15,000	15,000	10,660	246,400		294,500	294,500	0.375	2.750	2.625
3.500	12.70	12.95	N-80	15,310	15,000	15,000	15,000	10,660	246,400		294,500	294,500	0.375	2.750	2.625
3.500	12.70	12.95	P-110	21,050	20,630	20,630	20,630	14,650	338,800		405,000	405,000	0.375	2.750	2.625
4.000	9.50		J-55	5,110	5,440				99,000			147,400	0.226	3.548	3.423
4.000	9.50		L-80	6,590	7,910				144,000			214,400	0.226	3.548	3.423
4.000	9.50		N-80	6,590	7,910				144,000			214,400	0.226	3.548	3.423
4.000		11.00	J-55	6,590	6,300		6,300			169,200	169,200	0.262	3.476	3.351	
4.000		11.00	L-80	8,800	9,170		9,170			246,100	246,100	0.262	3.476	3.351	
4.000		11.00	N-80	8,800	9,170		9,170			246,100	246,100	0.262	3.476	3.351	
4.500	12.60	12.75	J-55	5,730	5,800		5,800		143,500		198,000	198,000	0.271	3.958	3.833
4.500	12.60	12.75	L-80	7,500	8,430		8,430		208,700		288,000	288,000	0.271	3.958	3.833
4.500	12.60	12.75	N-80	7,500	8,430		8,430		208,700		288,000	288,000	0.271	3.958	3.833