

nVent LENTON Connect S2 - Independent Tensile Test Data

ASTM® A615 Grade 60 and ASTM A706 Grade 60

Part Number	Lab Test Report Number	Rebar			Test Result		IBC® and ACI® 318 TYPE 1		IBC and ACI 318 TYPE 2	
		Size		Area (in ²)	Actual Stress Achieved (psi)	% fy	Required Stress 1.25 x Specified Yield	TYPE 1 Pass / Fail	Required Stress Specified Tensile	TYPE 2 Pass / Fail
		in-lb	[mm]							
LC16S2	TK5503	4	[12]	0.20	112,910	188%	ASTM A615 and A706 Grade 60 = 75,000 psi (125% x 60,000)	Pass	ASTM A615 Grade 60 = 80,000 psi per ACI 318-19 ASTM A706 Grade 60 = 80,000 psi per ACI 318-19 (and prior years)	Pass
LC16S2	TK5506	4	[12]	0.20	111,845	186%		Pass		Pass
LC16S2	TK5507	4	[12]	0.20	111,795	186%		Pass		Pass
LC16S2	TK5323	5	[16]	0.31	100,729	168%		Pass		Pass
LC16S2	TK5324	5	[16]	0.31	100,945	168%		Pass		Pass
LC16S2	TK5325	5	[16]	0.31	103,258	172%		Pass		Pass
LC20S2	TK5336	6	[20]	0.44	97,902	163%		Pass		Pass
LC20S2	TK5399	6	[20]	0.44	94,225	157%		Pass		Pass
LC20S2	TK5400	6	[20]	0.44	95,077	158%		Pass		Pass
LC22S2	TK5344	7	[22]	0.60	94,383	157%		Pass		Pass
LC22S2	TK5397	7	[22]	0.60	98,253	164%		Pass		Pass
LC22S2	TK5398	7	[22]	0.60	90,457	151%		Pass		Pass
LC25S2	TK5176	8	[25]	0.79	96,739	161%		Pass		Pass
LC25S2	TK5177	8	[25]	0.79	95,781	160%		Pass		Pass
LC25S2	TK5179	8	[25]	0.79	96,029	160%		Pass		Pass
LC28S2	TK5350	9	[28]	1.00	97,601	163%		Pass		Pass
LC28S2	TK5391	9	[28]	1.00	98,388	164%		Pass		Pass
LC28S2	TK5392	9	[28]	1.00	98,142	164%		Pass		Pass
LC32S2	TK5198	10	[32]	1.27	98,654	164%		Pass		Pass
LC32S2	TK5393	10	[32]	1.27	98,880	165%		Pass		Pass
LC32S2	TK5394	10	[32]	1.27	98,917	165%		Pass		Pass
LC36S2	TK5353	11	[36]	1.56	99,596	166%		Pass		Pass
LC36S2	TK5355	11	[36]	1.56	97,492	162%		Pass		Pass
LC36S2	TK5389	11	[36]	1.56	101,860	170%		Pass		Pass

Table is a summary of Laboratory tests results. Tests reports are available upon request.

