

nVent LENTON Connect B12 - 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]							
LC16B12D	TK5500	4	[12]	0.20	111,515	186%	ASTM A615 and ASTM A706 Grade 60 = 75,000 psi (125% x 60,000)	Pass	ASTM A615 Grade 60 = 80,000 psi per ACI 318-19 ASTM A615 Grade 60 = 90,000 psi per ACI 318-14 (and prior years) ASTM A706 Grade 60 = 80,000 psi per ACI 318-19 (and prior years)	Pass
LC16B12D	TK5501	4	[12]	0.20	111,350	186%		Pass		Pass
LC16B12D	TK5502	4	[12]	0.20	111,560	186%		Pass		Pass
LC16B12D	TK5378	5	[16]	0.31	105,458	176%		Pass		Pass
LC16B12D	TK5380	5	[16]	0.31	105,306	176%		Pass		Pass
LC16B12D	TK5381	5	[16]	0.31	105,777	176%		Pass		Pass
LC20B12D	TK5182	6	[20]	0.44	98,868	165%		Pass		Pass
LC20B12D	TK5183	6	[20]	0.44	98,850	165%		Pass		Pass
LC20B12D	TK5185	6	[20]	0.44	99,086	165%		Pass		Pass
LC22B12D	TK5373	7	[22]	0.60	103,727	173%		Pass		Pass
LC22B12D	TK5374	7	[22]	0.60	103,460	172%		Pass		Pass
LC22B12D	TK5376	7	[22]	0.60	102,482	171%		Pass		Pass
LC25B12D	TK5367	8	[25]	0.79	98,724	165%		Pass		Pass
LC25B12D	TK5370	8	[25]	0.79	98,604	164%		Pass		Pass
LC25B12D	TK5371	8	[25]	0.79	98,367	164%		Pass		Pass
LC28B12D	TK5362	9	[28]	1.00	98,978	165%		Pass		Pass
LC28B12D	TK5364	9	[28]	1.00	98,684	164%		Pass		Pass
LC28B12D	TK5365	9	[28]	1.00	99,181	165%		Pass		Pass
LC32B12D	TK5190	10	[32]	1.27	97,620	163%		Pass		Pass
LC32B12D	TK5191	10	[32]	1.27	97,598	163%		Pass		Pass
LC32B12D	TK5192	10	[32]	1.27	97,655	163%		Pass		Pass
LC36B12D	TK5356	11	[36]	1.56	100,966	168%		Pass		Pass
LC36B12D	TK5358	11	[36]	1.56	100,913	168%		Pass		Pass
LC36B12D	TK5359	11	[36]	1.56	100,432	167%		Pass		Pass

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

