



Accreditation

Version date 21 July 2009

STANDARD		NOMINAL DIAMETER	DIAMETER TOLERANCE	NOMINAL AREA	NOMINAL WEIGHT	WEIGHT TOLERANCE	PITCH	MINIMUM BREAKING LOAD	MINIMUM YIELD LOAD			MINIMUM ELONGATION	1,000-HR. RELAXATION (% MAX.)
	GRADE	mm.	mm.	mm ²	kg./1,000 m.	%	times of Diameter	kN.	kN.			%	INITIAL LOAD (80%)
									0.1%	0.2%	1.0%		
TIS 420 - 1997	1 720	9.30	-	51.60	405	+4/-2	12-18	88.8	72.8	75.4	-	3.5	4.5 (B)
		10.80	-	69.70	546	+4/-2	12-18	120.0	98.4	102.0	-	3.5	4.5 (B)
		12.40	-	92.90	729	+4/-2	12-18	160.0	131.0	136.0	-	3.5	4.5 (B)
		15.20	-	139.00	1,101	+4/-2	12-18	239.0	196.0	203.0	-	3.5	4.5 (B)
	1 860	9.50	-	54.80	432	+4/-2	12-18	102.0	83.6	86.6	-	3.5	4.5 (B)
		11.10	-	74.20	580	+4/-2	12-18	138.0	113.0	117.0	-	3.5	4.5 (B)
		12.70	-	98.70	774	+4/-2	12-18	184.0	151.0	156.0	-	3.5	4.5 (B)
		15.20	-	139.00	1,101	+4/-2	12-18	259.0	212.0	220.0	-	3.5	4.5 (B)
	1860	12.70	-	112.00	890	+4/-2	14-18	209.0	178.0	184.0	-	3.5	4.5 (B)
		15.20	-	165.00	1,295	+4/-2	14-18	300.0	255.0	264.0	-	3.5	4.5 (B)
		18.00	-	223.00	1,750	+4/-2	14-18	380.0	323.0	334.0	-	3.5	4.5 (B)
AS/NZS 4672 - 2007	1 720	9.30	-	51.60	405	+4/-2	12-18	88.8	72.8	75.4	-	3.5	3.5 (B)
	1 850	9.50	-	55.00	432	+4/-2	12-18	102.0	83.6	86.6	-	3.5	3.5 (B)
	1 870	11.10	-	73.90	580	+4/-2	12-18	138.0	113.0	117.0	-	3.5	3.5 (B)
	1 720	12.40	-	92.90	729	+4/-2	12-18	160.0	131.0	136.0	-	3.5	3.5 (B)
	1 860	12.70-C	-	112.00	890	+4/-3	14-18	209.0	178.0	184.0	-	3.5	3.5 (B)
	1 870	12.70	-	98.70	774	+4/-2	12-18	184.0	151.0	156.0	-	3.5	3.5 (B)
	1 750	15.20	-	143.00	1,122	+4/-2	12-18	250.0	205.0	212.0	-	3.5	3.5 (B)
	1 820	15.20-C	-	165.00	1,295	+4/-2	14-18	300.0	255.0	264.0	-	3.5	3.5 (B)
	1 830	15.20	-	143.00	1,122	+4/-2	12-18	261.0	214.0	222.0	-	3.5	3.5 (B)
	1 700	18.00-C	-	223.00	1,750	+4/-2	14-18	380.0	323.0	334.0	-	3.5	3.5 (B)
1 780	18.00	-	190.00	1,492	+4/-2	12-18	338.0	277.0	287.0	-	3.5	3.5 (B)	
ASTM A416 - 2006	1 725	9.50	+/-0.4	51.60	405	-	12-16	89.0	-	-	80.1	3.5	3.5 (B)
		11.10	+/-0.4	69.70	548	-	12-16	120.1	-	-	108.1	3.5	3.5 (B)
		12.70	+/-0.4	92.90	730	-	12-16	160.1	-	-	144.1	3.5	3.5 (B)
		15.20	+/-0.4	139.40	1,094	-	12-16	240.2	-	-	216.2	3.5	3.5 (B)
	1 860	9.53	+0.65/-0.15	54.80	432	-	12-16	102.3	-	-	92.1	3.5	3.5 (B)
		11.11	+0.65/-0.15	74.20	582	-	12-16	137.9	-	-	124.1	3.5	3.5 (B)
		12.70	+0.65/-0.15	98.70	775	-	12-16	183.7	-	-	165.3	3.5	3.5 (B)
		15.24	+0.65/-0.15	140.00	1,102	-	12-16	260.7	-	-	234.6	3.5	3.5 (B)
ASTM A886 - 2005 (Indented Strand)	1 725	9.50	+/-0.4	51.60	405	-	12-16	89.0	-	-	75.6	3.5	3.5 (B)
		11.10	+/-0.4	69.70	548	-	12-16	120.1	-	-	102.3	3.5	3.5 (B)
		12.70	+/-0.4	92.90	730	-	12-16	160.1	-	-	136.2	3.5	3.5 (B)
		15.20	+/-0.4	139.40	1,094	-	12-16	240.2	-	-	204.2	3.5	3.5 (B)
	1 860	9.50	+0.65/-0.15	54.80	432	-	12-16	102.3	-	-	87.0	3.5	3.5 (B)
		11.10	+0.65/-0.15	74.20	582	-	12-16	137.9	-	-	117.2	3.5	3.5 (B)
		12.70	+0.65/-0.15	98.70	775	-	12-16	183.7	-	-	156.1	3.5	3.5 (B)
		15.20	+0.65/-0.15	140.00	1,102	-	12-16	260.7	-	-	221.5	3.5	3.5 (B)
BS 5896 - 1980	Standard	9.30	+0.3/-0.15	52.00	408	+4/-2	12-18	92.0	78.0	-	81.0	3.5	4.5 (A)
		11.00	+0.3/-0.15	71.00	557	+4/-2	12-18	125.0	106.0	-	110.0	3.5	4.5 (A)
		12.50	+0.4/-0.2	93.00	730	+4/-2	12-18	164.0	139.0	-	144.0	3.5	4.5 (A)
		15.20	+0.4/-0.2	139.00	1,090	+4/-2	12-18	232.0	197.0	-	204.0	3.5	4.5 (A)
	Super	9.60	+0.3/-0.15	55.00	432	+4/-2	12-18	102.0	87.0	-	90.0	3.5	4.5 (A)
		11.30	+0.3/-0.15	75.00	590	+4/-2	12-18	139.0	118.0	-	122.0	3.5	4.5 (A)
		12.90	+0.4/-0.2	100.00	785	+4/-2	12-18	186.0	158.0	-	163.0	3.5	4.5 (A)
		15.70	+0.4/-0.2	150.00	1,180	+4/-2	12-18	265.0	225.0	-	233.0	3.5	4.5 (A)
	Compacted (Drawn)	12.70	+0.4/-0.2	112.00	890	+4/-2	14-18	209.0	178.0	-	184.0	3.5	4.5 (A)
		15.20	+0.4/-0.2	165.00	1,295	+4/-2	14-18	300.0	255.0	-	264.0	3.5	4.5 (A)
		18.00	+0.4/-0.2	223.00	1,750	+4/-2	14-18	380.0	323.0	-	334.0	3.5	4.5 (A)



THE SIAM INDUSTRIAL WIRE CO.,LTD

PC STRAND - LOW RELAXATION



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Australia New Zealand
T/Q100015

EMS05036/213t



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STANDARD	GRADE	NOMINAL DIAMETER mm.	DIAMETER TOLERANCE mm.	NOMINAL AREA mm ²	NOMINAL WEIGHT kg./ 1,000 m.	WEIGHT TOLERANCE %	PITCH times of Diameter	MINIMUM BREAKING LOAD kN.	MINIMUM YIELD LOAD kN.			MINIMUM ELONGATION %	1,000-HR. RELAXATION (% MAX.)
									0.1%	0.2%	1.0%		INITIAL LOAD (80%)
prEN 10138 - 2004	Y1770S7	9.30	-	52.00	406	+2/-2	14-18	92.0	79.1	-	-	3.5	4.5 (A)
		11.00	-	70.00	547	+2/-2	14-18	124.0	107.0	-	-	3.5	4.5 (A)
		12.50	-	93.00	726	+2/-2	14-18	165.0	142.0	-	-	3.5	4.5 (A)
		15.20	-	139.00	1,086	+2/-2	14-18	246.0	212.0	-	-	3.5	4.5 (A)
		15.70	-	150.00	1,172	+2/-2	14-18	266.0	229.0	-	-	3.5	4.5 (A)
	Y1860S7	9.60	-	55.00	430	+2/-2	14-18	102.0	87.7	-	-	3.5	4.5 (A)
		11.30	-	75.00	586	+2/-2	14-18	140.0	120.0	-	-	3.5	4.5 (A)
		12.90	-	100.00	781	+2/-2	14-18	186.0	160.0	-	-	3.5	4.5 (A)
		15.20	-	139.00	1,086	+2/-2	14-18	259.0	223.0	-	-	3.5	4.5 (A)
		15.70	-	150.00	1,172	+2/-2	14-18	279.0	240.0	-	-	3.5	4.5 (A)
	Y1860S7G	12.70	-	112.00	875	+2/-2	14-18	208.0	179.0	-	-	3.5	4.5 (A)
	Y1820S7G	15.20	-	165.00	1,289	+2/-2	14-18	300.0	258.0	-	-	3.5	4.5 (A)
	Y1700S7G	18.00	-	223.00	1,742	+2/-2	14-18	379.0	326.0	-	-	3.5	4.5 (A)
JIS G 3536 - 1999	SWPR7AL	9.30	+0.4/-0.2	51.61	405	+4/-2	12-18	88.8	-	75.5	-	3.5	INITIAL LOAD (70%)
		10.80	+0.4/-0.2	69.68	546	+4/-2	12-18	120.0	-	102.0	-	3.5	2.5 (B)
		12.40	+0.4/-0.2	92.90	729	+4/-2	12-18	160.0	-	136.0	-	3.5	2.5 (B)
		15.20	+0.4/-0.2	138.70	1,101	+4/-2	12-18	240.0	-	204.0	-	3.5	2.5 (B)
	SWPR7BL	9.50	+0.4/-0.2	54.84	432	+4/-2	12-18	102.0	-	86.8	-	3.5	2.5 (B)
		11.10	+0.4/-0.2	74.19	580	+4/-2	12-18	138.0	-	118.0	-	3.5	2.5 (B)
		12.70	+0.4/-0.2	98.71	774	+4/-2	12-18	183.0	-	156.0	-	3.5	2.5 (B)
		15.20	+0.4/-0.2	138.70	1,101	+4/-2	12-18	261.0	-	222.0	-	3.5	2.5 (B)

(A) = PERCENTAGE OF ACTUAL BREAKING LOAD

(B) = PERCENTAGE OF MINIMUM BREAKING LOAD

Blue Stripe =PC COMPACTED / DYFORM STRAND

Yellow Stripe =INDENTED STRAND