

LUNS Number	Common name or Proprietary Grades	Type	Typical Composition (wt%)											Calculated CPT °C				
				C	Si	Mn	Cr	Ni	Mo	Cu	N	W	Others		PRENW			
S31600	SLICK 316	Austenitic SS	Min				16.0	10.0	2.00									
			Max	0.08	1.00	2.00	18.0	14.0	3.00		0.10							
			Typical	0.03	0.70	1.50	16.8	12.0	2.25						24		21	
N08825	Incoly 825	Nickel Alloy	Min				19.5	38.0	2.50	1.50					0.6 - 1.2 Ti			
			Max	0.05	0.50	1.00	23.5	46.0	3.50	3.00					0.20max Al	22		
			Typical	0.02	0.40	0.70	22.0	43.0	2.75	2.00					min Fe		31	35
S20910	XM-19	Austenitic SS	Min			4.00	20.5	11.5	1.50			0.20			0.10 - 0.20 Nb,			
			Max	0.06		6.00	23.5	13.5	3.00		0.40				0.10 - 0.30 V			
			Typical	0.04	0.70	5.00	22.0	12.5	2.25		0.30						34	41
S31803	2205	Duplex SS	Min				21.0	4.5	2.50			0.08						
			Max	0.03	1.00	2.00	23.0	6.5	3.50		0.20							
			Typical	0.02	0.40	0.70	22.5	5.5	2.60		0.12						33	39
S32205	SLICK 2205	Duplex SS	Min				22.0	4.5	3.00			0.08						
			Max	0.03	1.00	2.00	23.0	6.5	3.50		0.20							
			Typical	0.02	0.40	0.70	22.5	5.5	3.20		0.15						35	44
N08904	904L	High Alloy SS	Min				19.0	23.0	4.00	1.00								
			Max	0.02	1.00	2.00	23.0	28.0	5.00	2.00								
			Typical	0.02	0.70	1.00	22.0	25.0	4.50	1.50							37	48
N08028	Sanicro 28	High Alloy SS	Min				26.0	30.0	3.00	0.60								
			Max	0.03	1.00	2.50	28.0	34.0	4.00	1.40								
			Typical	0.02	0.06	2.00	27.0	32.0	3.50	1.00							39	53
N08026	Alloy 20, 20-6 Mo	High Alloy SS	Min				22.0	33.0	5.00	2.00	0.10							
			Max	0.03	0.50	1.00	26.0	37.2	6.70	4.00	0.16							
			Typical	0.02	1.00	2.00	20.0	25.0	5.70	1.00	0.12						41	56
S32760	SLICK ZERON 100	Super Duplex SS	Min				24.0	6.0	3.00	0.50	0.20	0.50						
			Max	0.03	1.00	1.00	26.0	8.0	4.00	1.00	0.30	1.00						
			Typical	0.02	1.00	1.00	25.1	7.0	3.65	0.70	0.24	0.72					42	57
S31254	254 SMO, Supa 70,	Super Austenitic SS	Min				19.5	17.5	6.00	0.50	0.18							
			Max	0.02	0.80	1.00	20.5	18.5	6.50	1.00	0.25							
			Typical	0.02	1.00	2.00	20.0	18.0	6.10	0.70	0.20						43	62
N08926	SLICK 6Mo Alloy 926, 25-6Mo, Supa 75, Sanicro 26, GD31Mo	Super Austenitic SS	Min				19.0	24.0	6.00	0.50	0.15							
			Max	0.02	0.50	2.00	21.0	26.0	7.00	1.50	0.25							
			Typical	0.02	0.50	1.00	20.0	25.0	6.45	0.80	0.20						44	64
N08367	Al6XN	Super Austenitic SS	Min				20.0	23.5	6.00		0.18							
			Max	0.03	1.00	2.0	22.0	25.5	7.00	0.75	0.25							
			Typical	0.02	1.00	2.0	20.5	24.0	6.00	0.70	0.22						44	63
N08036	20-6MoHS	Nickel Alloy	Min				22.0	33.0	5.00	1.00	0.17							
			Max	0.06	0.50	1.00	26.0	37.2	6.70	3.00	0.40							
			Typical	0.06	0.50	1.00	24.0	35.0	6.00	3.00	0.30						49	74
S31277	27-7Mo	Super Austenitic SS	Min				20.5	26.0	6.50	0.50	0.30							
			Max	0.02	0.50	3.00	23.0	28.0	8.00	1.50	0.40							
			Typical	0.02	0.50	3.00	21.8	27.0	7.20	1.00	0.35						51	79
N08936	Sanicro 36	Nickel Alloy	Min				4.00	26.0	33.0	5.00	0.30							
			Max	0.02	0.50	6.00	28.0	35.0	6.00	0.50	0.50							
			Typical	0.02	0.50	5.00	27.0	34.0	5.40		0.40						51	80
N08031	Alloy 31, Supa 80	Nickel Alloy	Min				26.0	30.0	6.00	1.00	0.15							
			Max	0.015	0.30	2.00	28.0	32.0	7.00	1.40	0.25							
			Typical	0.015	0.25	1.50	27.0	31.0	6.50	1.20	0.22						52	83
R30035	SLICK MP35N	Nickel Cobalt SuperAlloy	Min				19	33	9					1.0max Ti				
			Max	0.025	0.15	0.15	21	37	10.5						1.0max Fe	Bal		
			Typical	0.01	0.1	0.1	20	35	9.75						Co			
	CS UT, CS UHT	Carbon Steel	Min			0.15	0.4											
			Max	0.9	0.35	0.7	0.10	0.10	0.02	0.10	0.007							
			Typical	0.01	0.1	0.1												

Bal is Fe unless otherwise stated

Pitting Index (PRENW) = Cr% + (3.3 x Mo%) + (1.65 x W%) + (16 x N%)

Calculated Critical Pitting Temperature (CPT) = 2.5xCr + 7.6xMo+31.9xN-41

The PRENW equation and the calculated CPT is not relevant to R30035 as it is a Nickel Cobalt alloy or to the CS grades.