



PRODUCT SPECIFICATION	PS 5.1.2
STD Family Disc Temperature Conversion Factors	

STD FAMILY DISC TEMPERATURE FACTORS								
DISC TEMP		RUPTURE DISC MATERIALS						
°F	°C	316	NI	MON	INC	ALUM	SILVER	HAST C
-423	-253	200	165	155	132	170	164	125
-320	-196	181	144	140	126	152	152	119
-225	-143	165	126	129	120	140	141	114
-200	-129	160	122	126	118	136	138	113
-150	-101	150	116	123	115	129	130	110
-130	-90	145	116	121	114	127	126	109
-110	-79	141	115	120	113	122	123	108
-100	-73	139	115	119	112	120	122	108
-90	-68	136	114	118	112	120	121	107
-80	-62	134	114	117	111	120	120	107
-70	-57	132	113	116	110	119	120	106
-60	-51	130	112	115	110	119	119	106
-50	-46	128	112	114	109	119	118	105
-40	-40	125	111	113	108	118	117	105
-30	-34	123	110	112	108	117	115	104
-20	-29	121	109	111	107	116	112	104
-10	-23	118	108	110	106	115	110	103
0	-18	116	107	109	105	114	108	103
10	-12	114	106	108	105	113	107	103
20	-7	112	105	106	104	111	105	102
30	-1	110	104	105	103	110	104	102
40	4	107	103	104	102	108	103	101
50	10	105	102	103	102	106	102	101
60	16	103	101	101	101	103	101	100

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BROKEN ARROW, OKLAHOMA	ORIG. DATE:	PAGE 1



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DISC TEMP		RUPTURE DISC MATERIALS						
°F	°C	316	NI	MON	INC	ALUM	SILVER	HAST C
72	22	100	100	100	100	100	100	100
80	27	99	100	99	100	100	100	100
90	32	98	99	98	99	99	99	99
100	38	96	99	97	99	98	99	99
110	43	95	98	96	99	97	98	98
120	49	94	98	95	98	97	98	98
130	54	93	97	95	98	96	97	97
140	60	92	97	94	98	95	96	97
150	66	91	96	93	97	94	95	97
160	71	90	96	93	97	93	94	96
170	77	90	96	92	97	92	93	96
180	82	89	95	92	96	90	92	95
190	88	89	95	91	96	89	91	95
200	93	88	95	91	95	88	90	95
210	99	88	94	90	95	87	89	94
220	104	87	94	90	95	85	87	94
230	110	87	94	89	95	84	86	94
240	116	86	94	89	95	82	85	93
250	121	86	93	89	95	81	84	93
260	127	86	93	88	94	Max 250°F	Max 250°F	92
270	132	85	93	88	94	---	---	92
280	138	85	93	88	94	---	---	92
290	143	84	93	87	94	---	---	91
300	149	84	93	87	94	---	---	91
310	154	84	92	87	94	---	---	91
320	160	83	92	86	94	---	---	90

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°F	°C	316	NI	MON	INC	ALUM	SILVER	HAST C
330	165	83	92	86	94	---	---	90
340	171	83	92	86	94	---	---	90
350	177	82	91	85	93	---	---	89
360	182	82	91	85	93	---	---	90
370	188	82	91	85	93	---	---	90
380	193	82	91	85	93	---	---	90
390	199	81	90	84	93	---	---	90
400	204	81	90	84	93	---	---	90
410	210	81	90	84	93	---	---	90
420	216	81	90	84	93	---	---	90
430	221	81	89	84	93	---	---	90
440	227	80	89	83	93	---	---	90
450	232	80	89	83	93	---	---	89
460	238	80	88	83	93	---	---	89
470	243	80	88	83	93	---	---	88
480	249	80	87	83	93	---	---	88
490	254	80	87	82	94	---	---	88
500	260	79	86	82	94	---	---	87
520	271	79	85	82	94	---	---	87
540	282	79	84	82	94	---	---	86
560	293	79	83	81	94	---	---	85
580	304	78	82	81	94	---	---	85
600	316	78	81	81	94	---	---	84
620	327	77	79	80	94	---	---	83
640	338	77	78	80	94	---	---	83
660	349	77	77	79	93	---	---	82

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°F	°C	316	NI	MON	INC	ALUM	SILVER	HAST C
700	371	76	75	78	93	---	---	81
720	382	76	73	77	93	---	---	80
740	393	76	72	77	93	---	---	79
760	404	75	Max 750°F	76	93	---	---	79
780	416	75	---	76	93	---	---	78
800	427	75	---	75	92	---	---	77
820	438	75	---	Max 800°F	92	---	---	77
840	449	75	---	---	92	---	---	76
860	460	75	---	---	92	---	---	76
880	471	74	---	---	91	---	---	75
900	482	74	---	---	91	---	---	75
920	--	Max 900°F	---	---	Max 900°F	---	---	74
940	--	---	---	---	---	---	---	73
960	---	---	---	---	---	---	---	73
980	---	---	---	---	---	---	---	72
1000	---	---	---	---	---	---	---	72

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