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CONFIDENTIAL INFORMATION
CONTAINS TRADE SECRET MATERIAL
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Table 1. Effect of Temperature on the Properties of Poly(ether ether ketone) and Poly(ether ether sulfone)												
Temperature (°C)	Poly(ether ether sulfone)			Poly(ether ether ketone)			Poly(ether ether sulfone)			Poly(ether ether ketone)		
	Tensile Strength (kg/cm ²)	Elongation at Break (%)	Impact Strength (kg/cm)	Tensile Strength (kg/cm ²)	Elongation at Break (%)	Impact Strength (kg/cm)	Tensile Strength (kg/cm ²)	Elongation at Break (%)	Impact Strength (kg/cm)	Tensile Strength (kg/cm ²)	Elongation at Break (%)	Impact Strength (kg/cm)
20	100	10	10	100	10	10	100	10	10	100	10	10
40	95	12	12	95	12	12	95	12	12	95	12	12
60	85	15	15	85	15	15	85	15	15	85	15	15
80	75	18	18	75	18	18	75	18	18	75	18	18
100	65	20	20	65	20	20	65	20	20	65	20	20
120	55	22	22	55	22	22	55	22	22	55	22	22
140	45	25	25	45	25	25	45	25	25	45	25	25
160	35	28	28	35	28	28	35	28	28	35	28	28
180	25	30	30	25	30	30	25	30	30	25	30	30
200	15	32	32	15	32	32	15	32	32	15	32	32
220	10	35	35	10	35	35	10	35	35	10	35	35
240	5	38	38	5	38	38	5	38	38	5	38	38
260	0	40	40	0	40	40	0	40	40	0	40	40
280	0	42	42	0	42	42	0	42	42	0	42	42
300	0	44	44	0	44	44	0	44	44	0	44	44
320	0	46	46	0	46	46	0	46	46	0	46	46
340	0	48	48	0	48	48	0	48	48	0	48	48
360	0	50	50	0	50	50	0	50	50	0	50	50
380	0	52	52	0	52	52	0	52	52	0	52	52
400	0	54	54	0	54	54	0	54	54	0	54	54
420	0	56	56	0	56	56	0	56	56	0	56	56
440	0	58	58	0	58	58	0	58	58	0	58	58
460	0	60	60	0	60	60	0	60	60	0	60	60
480	0	62	62	0	62	62	0	62	62	0	62	62
500	0	64	64	0	64	64	0	64	64	0	64	64
520	0	66	66	0	66	66	0	66	66	0	66	66
540	0	68	68	0	68	68	0	68	68	0	68	68
560	0	70	70	0	70	70	0	70	70	0	70	70
580	0	72	72	0	72	72	0	72	72	0	72	72
600	0	74	74	0	74	74	0	74	74	0	74	74
620	0	76	76	0	76	76	0	76	76	0	76	76
640	0	78	78	0	78	78	0	78	78	0	78	78
660	0	80	80	0	80	80	0	80	80	0	80	80
680	0	82	82	0	82	82	0	82	82	0	82	82
700	0	84	84	0	84	84	0	84	84	0	84	84
720	0	86	86	0	86	86	0	86	86	0	86	86
740	0	88	88	0	88	88	0	88	88	0	88	88
760	0	90	90	0	90	90	0	90	90	0	90	90
780	0	92	92	0	92	92	0	92	92	0	92	92
800	0	94	94	0	94	94	0	94	94	0	94	94
820	0	96	96	0	96	96	0	96	96	0	96	96
840	0	98	98	0	98	98	0	98	98	0	98	98
860	0	100	100	0	100	100	0	100	100	0	100	100
880	0	102	102	0	102	102	0	102	102	0	102	102
900	0	104	104	0	104	104	0	104	104	0	104	104
920	0	106	106	0	106	106	0	106	106	0	106	106
940	0	108	108	0	108	108	0	108	108	0	108	108
960	0	110	110	0	110	110	0	110	110	0	110	110
980	0	112	112	0	112	112	0	112	112	0	112	112
1000	0	114	114	0	114	114	0	114	114	0	114	114
1020	0	116	116	0	116	116	0	116	116	0	116	116
1040	0	118	118	0	118	118	0	118	118	0	118	118
1060	0	120	120	0	120	120	0	120	120	0	120	120
1080	0	122	122	0	122	122	0	122	122	0	122	122
1100	0	124	124	0	124	124	0	124	124	0	124	124
1120	0	126	126	0	126	126	0	126	126	0	126	126
1140	0	128	128	0	128	128	0	128	128	0	128	128
1160	0	130	130	0	130	130	0	130	130	0	130	130
1180	0	132	132	0	132	132	0	132	132	0	132	132
1200	0	134	134	0	134	134	0	134	134	0	134	134
1220	0	136	136	0	136	136	0	136	136	0	136	136
1240	0	138	138	0	138	138	0	138	138	0	138	138
1260	0	140	140	0	140	140	0	140	140	0	140	140
1280	0	142	142	0	142	142	0	142	142	0	142	142
1300	0	144	144	0	144	144	0	144	144	0	144	144
1320	0	146	146	0	146	146	0	146	146	0	146	146
1340	0	148	148	0	148	148	0	148	148	0	148	148
1360	0	150	150	0	150	150	0	150	150	0	150	150
1380	0	152	152	0	152	152	0	152	152	0	152	152
1400	0	154	154	0	154	154	0	154	154	0	154	154
1420	0	156	156	0	156	156	0	156	156	0	156	156
1440	0	158	158	0	158	158	0	158	158	0	158	158
1460	0	160	160	0	160	160	0	160	160	0	160	160
1480	0	162	162	0	162	162	0	162	162	0	162	162
1500	0	164	164	0	164	164	0	164	164	0	164	164
1520	0	166	166	0	166	166	0	166	166	0	166	166
1540	0	168	168	0	168	168	0	168	168	0	168	168
1560	0	170	170	0	170	170	0	170	170	0	170	170
1580	0	172	172	0	172	172	0	172	172	0	172	172
1600	0	174	174	0	174	174	0	174	174	0	174	174
1620	0	176	176	0	176	176	0	176	176	0	176	176
1640	0	178	178	0	178	178	0	178	178	0	178	178
1660	0	180	180	0	180	180	0	180	180	0	180	180
1680	0	182	182	0	182	182	0	182	182	0	182	182
1700	0	184	184	0	184	184	0	184	184	0	184	184
1720	0	186	186	0	186	186	0	186	186	0	186	186
1740	0	188	188	0	188	188	0	188	188	0	188	188
1760	0	190	190	0	190	190	0	190	190	0	190	190
1780	0	192	192	0	192	192	0	192	192	0	192	192
1800	0	194	194	0	194	194	0	194	194	0	194	194
1820	0	196	196	0	196	196	0	196	196	0	196	196
1840	0	198	198	0	198	198	0	198	198	0	198	198
1860	0	200	200	0	200	200	0	200	200	0	200	200
1880	0	202	202	0	202	202	0	202	202	0	202	202
1900	0	204	204	0	204	204	0	204	204	0	204	204
1920	0	206	206	0	206	206	0	206	206	0	206	206
1940	0	208	208	0	208	208	0	208	208	0	208	208
1960	0	210	210	0	210	210	0	210	210	0	210	210
1980	0	212	212	0	212	212	0	212	212	0	212	212
2000	0	214	214	0	214	214	0	214	214	0	214	214
2020	0	216	216	0	216	216	0	216	216	0	216	216
2040	0	218	218	0	218	218	0	218	218	0	218	218
2060	0	220	220	0	220	220	0	220	220	0	220	220
2080	0	222	222	0	222	222	0	222	222	0	222	222
2100	0	224	224	0	224	224	0	224	224	0	224	224
2120	0	226	226	0	226	226	0	226	226	0	226	226
2140	0	228	228	0	228	228	0	228	228	0	228	228
2160	0	230	230	0	230	230	0	230	230	0	230	230
2180	0	232	232	0	232	232	0	232	232	0	232	232
2200	0	234	234	0	234	234	0	234	234	0	234	234
2220	0	236	236	0	236	236	0	236	236	0	236	236
2240	0	238	238	0	238	238	0	238	238	0	238	238
2260	0	240	240	0	240	240	0	240	240	0	240	240
2280	0	242	242	0	242	242	0	242	242	0	242	242
2300	0	244	244	0	244	244	0	244	244	0	244	244
2320	0	246	246	0	246	246	0	246	246	0	246	246
2340	0	248	248	0	248							

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No.	Project Name		Project No.		Project Type		Project Status		Project Manager		Project Description		Project Details		Project Details		Project Details		Project Details	
	Project Name		Project No.		Project Type		Project Status		Project Manager		Project Description		Project Details		Project Details		Project Details		Project Details	
	No.	Name	No.	Type	No.	Description	No.	Status	No.	Name	No.	Description	No.	Description	No.	Description	No.	Description	No.	Description
1	Project Alpha	PA-001	1	Software	100	System A	100%	Completed	1	John Doe	JD-001	System A Manager	1	System A	100%	Completed	1	System A	100%	Completed
2	Project Beta	PB-002	2	Hardware	200	System B	95%	In Progress	2	Jane Smith	JS-002	System B Manager	2	System B	95%	In Progress	2	System B	95%	In Progress
3	Project Gamma	PG-003	3	Software	300	System C	80%	Pending Review	3	Mike Johnson	MJ-003	System C Manager	3	System C	80%	Pending Review	3	System C	80%	Pending Review
4	Project Delta	PD-004	4	Hardware	400	System D	70%	Planning	4	Sarah Lee	SL-004	System D Manager	4	System D	70%	Planning	4	System D	70%	Planning
5	Project Epsilon	PE-005	5	Software	500	System E	60%	Design Phase	5	David White	DW-005	System E Manager	5	System E	60%	Design Phase	5	System E	60%	Design Phase
6	Project Zeta	PZ-006	6	Hardware	600	System F	50%	Prototyping	6	Alice Green	AG-006	System F Manager	6	System F	50%	Prototyping	6	System F	50%	Prototyping
7	Project Eta	PE-007	7	Software	700	System G	40%	Testing Phase	7	Brian Blue	BB-007	System G Manager	7	System G	40%	Testing Phase	7	System G	40%	Testing Phase
8	Project Theta	PT-008	8	Hardware	800	System H	30%	Implementation	8	Cecilia Red	CR-008	System H Manager	8	System H	30%	Implementation	8	System H	30%	Implementation
9	Project Iota	PI-009	9	Software	900	System I	20%	Optimization	9	Daniel Black	DB-009	System I Manager	9	System I	20%	Optimization	9	System I	20%	Optimization
10	Project Kappa	PK-010	10	Hardware	1000	System J	10%	Final Testing	10	Eve Green	EG-010	System J Manager	10	System J	10%	Final Testing	10	System J	10%	Final Testing
11	Project Lambda	PL-011	11	Software	1100	System K	0%	Deployment	11	Fiona White	FW-011	System K Manager	11	System K	0%	Deployment	11	System K	0%	Deployment
12	Project Mu	PM-012	12	Hardware	1200	System L	0%	Support Phase	12	Grace Blue	GB-012	System L Manager	12	System L	0%	Support Phase	12	System L	0%	Support Phase
13	Project Nu	PN-013	13	Software	1300	System M	0%	Future Planning	13	Hannah Black	HB-013	System M Manager	13	System M	0%	Future Planning	13	System M	0%	Future Planning
14	Project Xi	PX-014	14	Hardware	1400	System N	0%	Research Phase	14	Ivan Green	IG-014	System N Manager	14	System N	0%	Research Phase	14	System N	0%	Research Phase
15	Project Omicron	PO-015	15	Software	1500	System O	0%	Development Phase	15	Jessica White	JW-015	System O Manager	15	System O	0%	Development Phase	15	System O	0%	Development Phase
16	Project Pi	PP-016	16	Hardware	1600	System P	0%	Testing Phase	16	Karen Blue	KB-016	System P Manager	16	System P	0%	Testing Phase	16	System P	0%	Testing Phase
17	Project Rho	PR-017	17	Software	1700	System Q	0%	Deployment Phase	17	Laura Black	LB-017	System Q Manager	17	System Q	0%	Deployment Phase	17	System Q	0%	Deployment Phase
18	Project Sigma	PS-018	18	Hardware	1800	System R	0%	Support Phase	18	Mia Green	MG-018	System R Manager	18	System R	0%	Support Phase	18	System R	0%	Support Phase
19	Project Tau	PT-019	19	Software	1900	System S	0%	Future Planning	19	Natalie White	NW-019	System S Manager	19	System S	0%	Future Planning	19	System S	0%	Future Planning
20	Project Upsilon	PU-020	20	Hardware	2000	System T	0%	Research Phase	20	Olivia Green	OG-020	System T Manager	20	System T	0%	Research Phase	20	System T	0%	Research Phase
21	Project Phi	PF-021	21	Software	2100	System U	0%	Development Phase	21	Peter Blue	PB-021	System U Manager	21	System U	0%	Development Phase	21	System U	0%	Development Phase
22	Project Chi	PC-022	22	Hardware	2200	System V	0%	Testing Phase	22	Quinn Green	QG-022	System V Manager	22	System V	0%	Testing Phase	22	System V	0%	Testing Phase
23	Project Psi	PP-023	23	Software	2300	System W	0%	Deployment Phase	23	Ryan Blue	RB-023	System W Manager	23	System W	0%	Deployment Phase	23	System W	0%	Deployment Phase
24	Project Omega	PO-024	24	Hardware	2400	System X	0%	Support Phase	24	Samantha Green	SG-024	System X Manager	24	System X	0%	Support Phase	24	System X	0%	Support Phase
25	Project Epsilon	PE-025	25	Software	2500	System Y	0%	Future Planning	25	Taylor Blue	TB-025	System Y Manager	25	System Y	0%	Future Planning	25	System Y	0%	Future Planning
26	Project Zeta	PZ-026	26	Hardware	2600	System Z	0%	Research Phase	26	Ulysses Green	UG-026	System Z Manager	26	System Z	0%	Research Phase	26	System Z	0%	Research Phase
27	Project Eta	PE-027	27	Software	2700	System AA	0%	Development Phase	27	Vivian Blue	VB-027	System AA Manager	27	System AA	0%	Development Phase	27	System AA	0%	Development Phase
28	Project Theta	PT-028	28	Hardware	2800	System BB	0%	Testing Phase	28	Wendy Green	WG-028	System BB Manager	28	System BB	0%	Testing Phase	28	System BB	0%	Testing Phase
29	Project Iota	PI-029	29	Software	2900	System CC	0%	Deployment Phase	29	Xavier Blue	XB-029	System CC Manager	29	System CC	0%	Deployment Phase	29	System CC	0%	Deployment Phase
30	Project Mu	PM-030	30	Hardware	3000	System DD	0%	Support Phase	30	Yvonne Green	YG-030	System DD Manager	30	System DD	0%	Support Phase	30	System DD	0%	Support Phase
31	Project Nu	PN-031	31	Software	3100	System EE	0%	Future Planning	31	Zachary Blue	ZB-031	System EE Manager	31	System EE	0%	Future Planning	31	System EE	0%	Future Planning
32	Project Xi	PX-032	32	Hardware	3200	System FF	0%	Research Phase	32	Abigail Green	AG-032	System FF Manager	32	System FF	0%	Research Phase	32	System FF	0%	Research Phase
33	Project Omicron	PO-033	33	Software	3300	System GG	0%	Development Phase	33	Bryce Blue	BB-033	System GG Manager	33	System GG	0%	Development Phase	33	System GG	0%	Development Phase
34	Project Pi	PP-034	34	Hardware	3400	System HH	0%	Testing Phase	34	Caitlyn Green	CG-034	System HH Manager	34	System HH	0%	Testing Phase	34	System HH	0%	Testing Phase
35	Project Rho	PR-035	35	Software	3500	System II	0%	Deployment Phase	35	Drew Blue	DB-035	System II Manager	35	System II	0%	Deployment Phase	35	System II	0%	Deployment Phase
36	Project Sigma	PS-036	36	Hardware	3600	System JJ	0%	Support Phase	36	Ella Green	EG-036	System JJ Manager	36	System JJ	0%	Support Phase	36	System JJ	0%	Support Phase
37	Project Tau	PT-037	37	Software	3700	System KK	0%	Future Planning	37	Finn Blue	FB-037	System KK Manager	37	System KK	0%	Future Planning	37	System KK	0%	Future Planning
38	Project Upsilon	PU-038	38	Hardware	3800	System LL	0%	Research Phase	38	Gwen Green	GG-038	System LL Manager	38	System LL	0%	Research Phase	38	System LL	0%	Research Phase
39	Project Phi	PF-039	39	Software	3900	System MM	0%	Development Phase	39	Hudson Blue	HB-039	System MM Manager	39	System MM	0%	Development Phase	39	System MM	0%	Development Phase
40	Project Chi	PC-040	40	Hardware	4000	System NN	0%	Testing Phase	40	Ivy Green	IG-040	System NN Manager	40	System NN	0%	Testing Phase	40	System NN	0%	Testing Phase
41	Project Psi	PP-041	41	Software	4100	System OO	0%	Deployment Phase	41	Jordan Blue	JB-041	System OO Manager	41	System OO	0%	Deployment Phase	41	System OO	0%	Deployment Phase
42	Project Omega	PO-042	42	Hardware	4200	System PP	0%	Support Phase	42	Karen Green	KG-042	System PP Manager	42	System PP	0%	Support Phase	42	System PP	0%	Support Phase
43	Project Epsilon	PE-043	43	Software	4300	System QQ	0%	Future Planning	43	Liam Blue	LB-043	System QQ Manager	43	System QQ	0%	Future Planning	43	System QQ	0%	Future Planning
44	Project Zeta	PZ-044	44	Hardware	4400	System RR	0%	Research Phase	44	Mia Green	MG-044	System RR Manager	44	System RR	0%	Research Phase	44	System RR	0%	Research Phase
45	Project Eta	PE-045	45	Software	4500	System SS	0%	Development Phase	45	Nathan Blue	NB-045	System SS Manager	45	System SS	0%	Development Phase	45	System SS	0%	Development Phase
46	Project Theta	PT-046	46	Hardware	4600	System TT	0%	Testing Phase	46	Olivia Green	OG-046	System TT Manager	46	System TT	0%	Testing Phase	46	System TT	0%	Testing Phase
47	Project Iota	PI-047	47	Software	4700	System UU	0%	Deployment Phase	47	Parker Blue	PB-047	System UU Manager	47	System UU	0%	Deployment Phase	47	System UU	0%	Deployment Phase
48	Project Mu	PM-048	48	Hardware	4800	System VV	0%	Support Phase	48	Quinn Green	QG-048	System VV Manager	48	System VV	0%	Support Phase	48	System VV	0%	Support Phase
49	Project Nu	PN-049	49	Software	4900	System WW	0%	Future Planning	49	Ryan Blue	RB-049	System WW Manager	49	System WW	0%	Future Planning	49	System WW	0%	Future Planning
50	Project Xi	PX-050	50	Hardware	5000	System XX	0%	Research Phase	50	Samantha Green	SG-050	System XX Manager	50	System XX	0%	Research Phase	50	System XX	0%	Research Phase
51	Project Omicron	PO-051	51	Software	5100	System YY	0%	Development Phase	51	Taylor Blue	TB-051	System YY Manager	51	System YY	0%	Development Phase	51	System YY	0%	Development Phase
52	Project Pi	PP-052	52	Hardware	5200	System ZZ	0%	Testing Phase	52	Ulysses Green	UG-052	System ZZ Manager	52	System ZZ	0%	Testing Phase	52	System ZZ	0%	Testing Phase
53	Project Rho	PR-053	53	Software	5300	System AA	0%	Deployment Phase	53	Vivian Blue	VB-053	System AA Manager	53	System AA	0%	Deployment Phase	53	System AA	0%	Deployment Phase
54	Project Sigma	PS-054	54	Hardware	5400	System BB	0%	Support Phase	54	Wendy Green	WG-054	System BB Manager	54	System BB	0%	Support Phase	54	System BB	0%	Support Phase
55	Project Tau	PT-055	55	Software	5500	System CC	0%	Future Planning	55	Xavier Blue	XB-055	System CC Manager	55	System CC	0%	Future Planning	55	System CC	0%	Future Planning
56	Project Upsilon	PU-056	56	Hardware	5600	System DD	0%	Research Phase	56	Yvonne Green	YG-056	System DD Manager	56	System DD	0%	Research Phase	56	System DD	0%	Research Phase
57	Project Phi	PF-057	57	Software	5700	System EE	0%	Development Phase	57	Zachary Blue	ZB-057	System EE Manager	57	System EE	0%	Development Phase	57	System EE	0%	Development Phase
58	Project Nu	PN-058	58	Hardware	5800	System FF	0%	Testing Phase	58	Abigail Green	AG-058	System FF Manager	58	System FF	0%	Testing Phase	58	System FF	0%	Testing Phase
59	Project Xi	PX-059	59	Software	5900	System GG	0%	Deployment Phase	59	Bryce Blue	BB-059	System GG Manager	59	System GG	0%	Deployment Phase	59	System GG	0%	Deployment Phase
60	Project Omicron	PO-060	60	Hardware	6000	System HH	0%	Support Phase	60	Caitlyn Green	CG-060	System HH Manager	60	System HH	0%	Support Phase	60	System HH	0%	Support Phase
61	Project Pi	PP-061	61	Software	6100	System II	0%	Future Planning	61	Drew Blue	DB-061	System II Manager	61	System II	0%	Future Planning	61	System II	0%	Future Planning
62	Project Rho	PR-062	62	Hardware	6200	System JJ	0%	Research Phase	62	Ella Green	EG-062	System JJ Manager	62	System JJ	0%	Research Phase	62	System JJ	0%	Research Phase
63	Project Sigma	PS-063	63	Software	6300	System KK	0%	Development Phase	63	Finn Blue	FB-063	System KK Manager	63	System KK	0%	Development Phase	63	System KK	0%	Development Phase
64	Project Tau	PT-064	64	Hardware	6400	System LL	0%	Testing Phase	64	Gwen Green	GG-064	System LL Manager	64	System LL	0%					