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# Shin-Etsu LIMS



## Product Selection Guide

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DESCRIPTION	PHYSICAL PROPERTIES										PHYSICAL PROPERTIES						PROCESSING				
	Grade	Regulatory Testing	Hardness	Tensile Strength		Elongation	100% Modulus		Tear Strength		Comp Set 22h/302°F		Linear Shrinkage	Cure Code	Appearance	SG	Grade	Viscosity		Cure Rate (302°F, ODR)	
			Shore-A	MPa	psi	%	Mpa	psi	kN/m	ppi	1h/302°F	4h/392°F						A -Pa.s	B -Pa.s	T10	T90
<b>GENERAL PURPOSE</b>																					
KE1950-10A/B	Class VI, FDA	13	3.9	566	700	0.21	30	10	57	12	8	2.3	1	Translucent	1.08	KE1950-10A/B	60	60	38	86	
KE1950-20A/B	Class VI, FDA	20	6.4	929	900	0.37	54	25	143	15	10	2.1	1	Translucent	1.10	KE1950-20A/B	150	150	32	80	
KE1950-30A/B	Class VI, FDA	32	8.8	1277	700	0.70	101	25	143	22	6	2.0	1	Translucent	1.10	KE1950-30A/B	250	250	29	39	
KE1950-35A/B	Class VI, FDA	36	9.8	1422	700	0.74	108	30	171	36	4	2.2	1	Translucent	1.12	KE1950-35A/B	500	500	34	40	
KE1950-40A/B	Class VI, FDA	42	9.8	1422	650	1.01	146	35	200	20	6	2.1	1	Translucent	1.12	KE1950-40A/B	480	480	44	63	
KE1950-50A/B	Class VI, FDA	52	9.3	1349	550	1.67	242	40	228	28	8	2.0	1	Translucent	1.13	KE1950-50A/B	680	680	42	68	
KE1950-60A/B	Class VI, FDA	60	7.8	1132	380	2.30	333	35	200	22	8	1.9	1	Translucent	1.14	KE1950-60A/B	730	740	39	64	
KE1950-70A/B	Class VI, FDA	70	7.8	1132	350	4.76	691	40	228	34	13	2.1	1	Translucent	1.15	KE1950-70A/B	750	750	27	43	
KEG2000-20A/B	ISO 10993	21	5.2	760	880	0.32	46	20	115	28	6	2.8	2	Translucent	1.08	KEG2000-20A/B	580	580	39	53	
KEG2000-30A/B		32	8.8	1275	760	0.70	102	23	131	33	6	2.7	2	Translucent	1.10	KEG2000-30A/B	1260	1000	32	42	
KEG2000-40A/B	Class VI, FDA	41	9.6	1393	640	1.23	178	32	183	37	6	2.7	2	Translucent	1.13	KEG2000-40A/B	1800	1600	32	41	
KEG2000-50A/B	Class VI, FDA	52	11.1	1611	580	1.72	249	40	228	31	8	2.6	2	Translucent	1.13	KEG2000-50A/B	1700	1600	35	45	
KEG2000-60A/B	Class VI, FDA	58	10.5	1524	470	2.46	357	45	257	38	9	2.6	2	Translucent	1.13	KEG2000-60A/B	1600	1600	35	48	
KEG2000-70A/B	Class VI, FDA	68	10.2	1480	420	4.46	647	37	211	36	7	2.6	2	Translucent	1.13	KEG2000-70A/B	1200	1200	35	48	
KEG2000-75A/B	Class VI, FDA	78	8.9	1291	240	5.64	818	7	40	43	8	2.6	2	Translucent	1.15	KEG2000-75A/B	3800	4900	35	51	
<b>FAST CURING</b>																					
KE2001-40A/B		40	9.2	1335	600	1.09	158	42	240	30	5	2.2	1	Translucent	1.12	KE2001-40A/B	400	400	20	29	
KE2001-50A/B		53	9.9	1436	590	1.74	253	40	228	29	5	2.1	1	Translucent	1.14	KE2001-50A/B	1000	1000	20	30	
KEG2001-40A/B		40	11.0	1596	700	1.25	182	33	188	33	6	2.7	2	Translucent	1.12	KEG2001-40A/B	1400	1200	24	33	
KEG2001-50A/B	ISO 10993-5,10	50	11.2	1625	705	1.97	286	35	198	32	8	2.6	2	Translucent	1.13	KEG2001-50A/B	1280	1220	23	36	
KEG2001-70A/B	ISO 10993-5,10	70	10.2	1480	564			39	223	39	9	2.6	2	Translucent	1.13	KEG2001-70A/B	1350	1290	23	41	
<b>SELECT-HESIVE™†</b>																					
PC, PBT, PPO	KE2090-10AB		10	4.8	700	980		6	35	88		2.3	6	Translucent	1.06	KE2090-10AB	140	160	18**	33**	
	KE2090-20AB		21	7.2	1050	970		6	35	20		2.2	6	Translucent	1.07	KE2090-20AB	220	260	26	95	
	KE2090-30AB	Class VI	30	8.5	1233	840		25	143	25	7	2.2	3	Translucent	1.11	KE2090-30AB	400	800	47*	62*	
	KE2090-40AB	Class VI, ISO 10993-5,10	40	9.0	1306	630		30	171	35	6	2.3	3	Translucent	1.11	KE2090-40AB	400	700	85*	105*	
	KE2090-50AB	Class VI	50	8.3	1204	420		38	217	50	9	2.1	3	Translucent	1.12	KE2090-50AB	340	800	66*	102*	
	KE2090-60AB	Class VI	60	7.3	1059	240		36	206	53	9	2.2	3	Translucent	1.12	KE2090-60AB	450	70	94*	154*	
	KE2090-70AB	Class VI	68	7.7	1117	230		35	200	40	10	2.2	3	Translucent	1.13	KE2090-70AB	600	600	69*	98*	
PA, PPA	KE2095-40AB	Class VI	42	8.1	1175	480		29	166	25	6	2.7	4	Translucent	1.11	KE2095-40AB	590	970	26	42	
	KE2095-50AB	Class VI	50	9.8	1422	470		30	171	35	9	2.6	4	Translucent	1.11	KE2095-50AB	510	940	30	52	
	KE2095-60AB	Class VI	60	8.3	1204	310		35	200	40	10	2.6	4	Translucent	1.11	KE2095-60AB	410	770	32	59	
<b>HIGH TEAR</b>																					
KE2004-20A/B	Class VI	22	5.7	820	870	0.36	52	36	207	15		2.2	5	Translucent	1.09	KE2004-20A/B	650	600	26	38	
X-34-1898A/B		35	8.7	1262	770	0.55	80	43	245			2.2	5	Translucent	1.12	X-34-1898A/B	750	800	26	38	
<b>HIGH ELONGATION</b>																					
X-34-1806A/B		30	10.4	1509	910			20	114			2.2	3	Translucent	1.11	X-34-1806A/B	1490	1370	23	36	
<b>LOW DUROMETER</b>																					
KE2004-5A/B		5	2.1	305	870	0.15	22	9	52	30		2.3	5	Translucent	1.08	KE2004-5A/B	1700	1400	28	47	
KE2004-10A/B		9	2.8	406	580	0.18	26	10	56	22		2.3	3	Translucent	1.08	KE2004-10A/B	1300	800	24	51	

†Refer to separate brochure for additional details.  
 \*Cure Rate (248°F, ODR)  
 \*\*Cure Rate (266°F, MDR)

CURE CONDITIONS					
Code	Press Cure		Post Cure		Temp
	Time	Temp	Time	Temp	
1	5 min	248°F	1 hour	302°F	302°F
2	5 min	302°F	1 hour	302°F	302°F
3	10 min	248°F	None	None	None
4	10 min	302°F	None	None	None
5	10 min	248°F	1 hour	302°F	302°F
6	15 min	302°F	None	None	None