SEKISUI

Polyvinyl Butyral Resin S-LEC® B

Polyvinyl Acetal Resin S-LEC® K

Types of S-LEC B, K and General Characteristics

	Grade	Calculated molecular weight x 10^4	Volatiles (%)	Free Acid (%)	Hydroxyl content (mol%)	Acetyl content (mol%)	Butyral content (mol%)	Acetal content (mol%)	Viscosity (mPa·s)	Tg (°C)
Low polymerization Types	*BL-1*	ca. 1.9	3 max.	0.05max.	ca. 36	3 max.	63±3	—	10 to 30	66
	BL-1H	ca. 2.0	3 max.	0.05max.	ca. 30	3 max.	69±3	—	10 to 30	63
	BL-2	ca. 2.7	3 max.	0.05max.	ca. 36	3 max.	63±3	—	30 to 60	68
	BL-2H	ca. 2.8	3 max.	0.05max.	ca. 29	3 max.	70±3	—	30 to 50	64
	BL-5	ca. 3.2	3 max.	0.05max.	ca. 21	3 to 5	77 min.	—	30 to 50	62
	BL-10	ca. 1.5	3 max.	0.05max.	ca. 28	3 max.	71±3	—	9 to 15	59
	BL-S	ca. 2.3	3 max.	0.05max.	ca. 22	3 to 5	74±3	—	10 to 30	61
	BX-L	ca. 2.0	3 max.	0.05max.	37±3	3 max.	—	ca. 61	10 to 30	74
Medium polymerization Types	*BM-1*	ca. 4.0	3 max.	0.05max.	ca. 34	3 max.	65±3	—	60 to 100	67
	BM-2	ca. 5.2	3 max.	0.05max.	ca. 31	3 max.	68±3	—	100 to 170	67
	BM-5	ca. 5.3	3 max.	0.05max.	ca. 34	3 max.	65±3	—	140 to 220	67
	BM-S	ca. 5.3	3 max.	0.05max.	ca. 22	4 to 6	73±3	—	80 to 150	60
High polymerization Types	*BH-3*	ca. 11.0	3 max.	0.05max.	ca. 34	3 max.	65±3	—	60 to 120*	71
	BH-6	ca. 9.2	3 max.	0.05max.	ca. 30	3 max.	69±3	—	40 to 90*	67
	BH-S	ca. 6.6	3 max.	0.05max.	ca. 22	4 to 6	73±3	—	20 to 40*	64
	BX-1	ca. 10.0	3 max.	0.05max.	33±3	3 max.	—	ca. 66	80 to 130*	90
	BX-3	ca. 12.3	3 max.	0.05max.	33±3	3 max.	—	ca. 66	70 to 130*	87
	BX-5	ca. 13.0	3 max.	0.05max.	33±3	3 max.	—	ca. 66	130 to 200*	86
High Tg Types	*KS-10*	ca. 1.7	3 max.	0.05max.	ca. 25	3 max.	—	74±3	10 to 30	106
	KS-1	ca. 2.7	3 max.	0.05max.	ca. 25	3 max.	—	74±3	50 to 100	107
	KS-3	ca. 10.8	3 max.	0.05max.	ca. 25	3 max.	—	74±3	110 to 170*	110
	KS-5	ca. 13.0	3 max.	0.05max.	ca. 25	3 max.	—	74±3	210 to 270*	110

Note:
Viscosity: *Ethanol/Toluene 1/1, resin content 5% solution;
all others, ethanol/toluene 1/1, resin content 10% solution.
All values is determined by Brookfield type (type M) viscometer at 20°C.

• All values shown to table mentioned above are not specification limit.