SBS Technical Data

Grade	Structure	Styrene content	Oil	MFI	Shore A	Tensile strength	Elongation	Stress at 300%	Ash	Volatility	Descriptions
Unit	/	%	%	g/10min	/	Mpa	≥%	≥Mpa	%	%	
791	L	30	0	0.10~ 5.00	≥65	≥13	≥680	≥2	≤0.20	≤0.70	General grade. Can be used for asphalt modification, plastic toughening modification, hot melt adhesive, etc.
791H	L	30	0	0.10~ 0.50	≥68	≥18	≥700	≥2	≤0.20	≤1.00	Specific grade for asphalt modification, equal to 6302H. Mainly used in road asphalt modification
792	L	40	0	0.10~ 5.00	≥85	≥24	≥700	≥3.5	≤0.20	≤1.00	Specific grade for adhesive. Mainly used in various kinds of holt melt adhesive products. Has high cohesion and good transparency
792E	L	40	0	0.10~ 5.00	≥85	≥24	≥700	≥3.5	≤0.20	≤1.00	792 environmental grade without any NP nonylphenol. The other specifications are as the same as 792. (NP nonylphenol can generate substance which is similar to estrogen, and can harm children if in contact)
796	L	20	0	0.50~ 5.00	≥63	≥6	≥680	≥2	≤0.20	≤0.70	General grade. Can be used for asphalt modification, plastic toughening modification, hot melt adhesive, etc. Has highest viscosity
188	L	32	0	5.00~ 9.00	85±5	≥20	≥700	≥2.0	-	≤0.70	General Grade with good transparency. Can be used for transparent shoes and hot melt adhesive, which requires high liquidity
188E	L	32	0	5.00~ 9.00	85±5	≥20	≥700	≥2.0	-	≤0.70	188 environmental grade, without nonylphenol (NP), the other specifications are as the same as 188
815	R	40	10	0.01~ 0.50	≥83	≥16	≥700	≥2	≤0.20	≤1.00	Specific grade for shoe materia. Mainly used for TPR shoe sole, oil-extended rubber
T-6302H	L	30	0	<1	68	26	760	2.8	-	-	Equal to 791H
T-161B	R	30	0	<1	70	17	700	2	-	-	The only one R-structure and non oil extended SBS. Often used in waterproof roll and asphalt modification
T-171	R	40	33	2.00~ 8.00	45	6	690	1.9	-	-	Specific grade for shoe material, mainly used for TPR shoe sole. Oil-extended rubber, with a higher oil % than grade 815
165	L	40	0	7.5	88	28		6	-	-	Specific grade for transparent material, often used for kinds of transparent material modification, such as transparent shoe sole, etc.
185	R	32	31	7	47	21	1150	2	-	-	Specific grade for shoe material with good abrasion resistance. Mainly used for TPR shoe sole, sometimes also used for solvent adhesive

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SEBS Technical Data

Grade	Struction	Styrene content	Solution viscosity	Ash	Volatility	Shore A	Tensile strength	Elongation	Stress at 300%	Descriptions
Unit	/	%	10%,25℃, mPa.s			/	Mpa	%	Mpa	
501T	L	**30**	400-800(20%)	**-**	≤1	**≥68**	≥16	**≥450**	≥3	Low molecular weight SEBS. Mainly used in coating, ink modification, and hot melt adhesive
502T	L	**30**	150-250	**-**	≤1	**≥68**	≥18	**≥450**	≥3	Middle and low molecular weight SEBS. Used for transparent materials and elastomer compounding granulation
503T	L	**33**	2000-3000	**-**	≤1	**≥70**	≥16	**≥400**	≥3	High molecular weight SEBS. Many applications, such as most of the TPE materials compounding for rubber coating toys
503	L	**33**	2000-3000	**-**	≤1	**≥70**	≥16	**≥400**	≥3	The same as 503T, without desalination
504T	L	**32**	300-500	**-**	≤1	**≥65**	≥20	**≥450**	≥3	Middle molecular weight SEBS. Often used in cable TPE granulation
561T	L+R	**34**	800-1500		≤1	**≥75**	≥16	**≥400**	≥4	Compounding 503T and 602T with high elascity. Mainly used in toys production
602T	R	**35**	150-300	**-**	≤1	**≥80**	≥18	**≥400**	≥5	R-structure high molecular weight SEBS. Mainly used in extrusion granulation materials such as sealing strip
604T	R	**33**	-	**-**	≤1	**≥73**	≥20	**≥450**	≥3.5	Ultra-high molecular weight SEBS，mainly used in sealing strip and other low end high-fill material compounding

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SIS Technical Data

Grade	Structure	Styrene content	Diblock content	Solution Viscosity（25℃,25%）	MFI	Shore A	Tensile strength	Elongation	Descriptions
Unit	/	%	%	≤mPa.s	g/10min	/	Mpa	≥%	
1105	L	15	<1	≤2500	2-14	-	≥7	≥1000	Generally used in SIS tapes, including scotch tape, double faced adhesive tape, warning tape, electrical adhesive tape, etc.
1106	L	15	17	≤2000	7-17	-	≥8	≥800	Generally used in SIS tapes, better viscidity than SIS 1105
1209	L	29	<1	≤1600	6-15	-	≥11	≥800	Specially used in hygenics, including: diaper, sanitary napkins, bandage, etc.
1126	L	16	50	-	7-17	-	≥4	-	Used in self-adhesive paper, lower viscosity, easily stripped and cut, even easier than SIS 1124
1124	L	14	25	-	8-16	-	≥6	-	Used in self-adhesive paper, lower viscosity, easily stripped and cut
1125	L	25	25	-	-	-	-	-	Used in heat-resisting PSA
1128	L	15	38	-	-	-	-	-	The performance is in between of SIS 1124 and 1126. Best MFI of all. Same as 1125
1501	L	15	<1	≤2500	8-16	30-40	≥7	≥1000	the same as 1105
1503	L	30	<1	≤2000	7-13	50-60	≥10	≥800	the same as 1209
1505	L	15	<1	≤2500	8-16	30-40	≥7	≥1000	the same as 1105
1522	L	15	22	≤2000	8-16	25-35	≥7	≥1000	the same as 1106
1524	L	14	26	≤2000	8-14	25-35	≥5	≥1000	the same as 1124
1526	L	25	25	≤1000	8-16	50-60	≥7	≥1000	the same as 1125
1552	L	16	52	≤2000	9-15	25-35	≥4	≥1000	the same as 1126
4019	R	19	30	-	8-12	42-48	≥7	≥1000	Used in heat-resisting spray adhesive.

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