

A LEADING PRODUCER OF STYRENIC BLOCK COPOLYMERS PRODUCT GRADE CHART



VECTOR® SBS Grades

BRAND GRADES	VECTOR 2336A	VECTOR 2411A 2411AP	VECTOR 2518A 2518ALD	VECTOR 2518AP 2518APC	VECTOR 6241A	VECTOR 7000	VECTOR 8508A
Polymer Structure	Radial	Radial	Linear	Linear	Linear	Linear	Linear
Styrene, wt%	30	30	31	31	43	31	29
Oil, wt%	0	0	0	0	0	16.5	0
Di-block, wt%	12	12	<1	<1	<1	<1	<1
Melt Flow Rate g/10min, 200°C/5kg *g/10min, 200°C/10kg	<1	<1	5*	5*	23	17	12
Solution Viscosity cps 5wt% in Toluene; 25°C *15wt% in Toluene; 25°C **25wt% in Toluene; 25°C	16.6	20.4	3900**	3900**	350**	685**	1130**
Specific Gravity	0.94	0.94	0.94	0.94	0.96	0.93	0.94
Tensile Strength psi (MPa)	3600 (25)	3800 (26)	4600 (33)	4600 (33)	4000 (29)	3000 (21)	2800 (20)
Elongation at Break %	600	725	700	700	800	1000	900
Hardness, Shore A	82	82	80	80	85	58	67
Product Form	Porous Pellet	Porous Pellet/ Powder	Porous Pellet	Powder	Porous Pellet	Porous Pellet	Porous Pellet

VECTOR® SIS Grades

BRAND GRADES	VECTOR 4111	VECTOR 4113	VECTOR 4114	VECTOR 4116	VECTOR 4118	VECTOR 4186	VECTOR 4211	VECTOR 4411	VECTOR 4213	VECTOR 4255	VECTOR 4258	VECTOR 4359
Polymer Structure	Linear	Linear	Linear	Linear	Linear	Radial	Linear	Linear	Linear	Radial	Linear	Linear
Styrene, wt%	18	15	15	16	10	18	30	44	25	20	27	37
Di-block, wt%	<1	18	42	55	75	73	<1	<1	25	30	<1	<1
Melt Flow Rate g/10min, 200°C/5kg *g/10min, 200°C/10kg	12	11	25	12	12	22	13	40	12	13	12	14
Solution Viscosity cps 25 wt% in Toluene; 25°C	850	1240	700	780	1560	540	300	120	370	540	-	-
Specific Gravity	0.92	0.92	0.92	0.93	0.93	0.93	0.94	0.96	0.94	0.93	0.94	0.94
Tensile Strength psi (MPa)	3700 (26)	2800 (20)	1500 (11)	590 (4.1)	145 (1)	330 (2.4)	3300 (24)	3600 (25)	2200 (15)	2200 (15)	3220 (23)	2800 (20)
Elongation at Break %	1200	1300	1400	1500	1475	700	1000	1000	1100	1250	>980	>830
Hardness, Shore A	40	33	26	33	22	28	60	83	51	47	45	65
Product Form	Dense Pellet	Porous Pellet/ Dense Pellet	Dense Pellet	Dense Pellet	Dense Pellet	Dense Pellet						

TAIPOL® / VECTOR® SEBS Grades

BRAND GRADES	TAIPOL 6150	TAIPOL 6151	TAIPOL 6152	TAIPOL 6153	TAIPOL 6154	TAIPOL 6159	TAIPOL 6240	TAIPOL 6014	TAIPOL 6052	TAIPOL 6245	TAIPOL 7126	TAIPOL 7131	VECTOR 8101	VECTOR 8103	VECTOR 8104	VECTOR 8109	VECTOR 8014D	VECTOR 8245D
Type	Regular							High Flow			Functional Grafted		Regular Medical				High Flow Medical	
Polymer Structure	Linear	Linear	Linear	Linear	Linear	Linear	Linear	Linear	Linear	Linear	MA Grafted	MA Grafted	Linear	Linear	Linear	Linear	Linear	Linear
Styrene, wt%	29	32.5	29	29	32.5	29.5	32	18	23	13	29	29	32.5	29	32.5	29.5	18	13
Di-block, wt%	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Melt Flow Rate g/10min, 230°C/2.16kg *g/10min, 230°C/5kg	-	-	4	-	-	-	-	5	40	3.5	20*	10*	-	-	-	-	5	3.5
Solution Viscosity cps 5wt% in Toluene; 25°C *10wt% in Toluene; 25°C **20wt% in Toluene; 25°C	1450**	1700*	440**	2500**	280*	320	1500**	-	230**	-	-	-	1700**	2000**	280*	320	-	-
Specific Gravity	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.96	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Tensile Strength psi (MPa)	3900 (27)	-	4200 (29)	3900 (27)	-	-	-	2300 (16)	1400 (10)	1400 (10)	-	-	-	3900 (27)	-	-	2300 (16)	1400 (10)
Elongation at Break %	500	-	500	500	-	-	-	500	500	1000	-	-	-	500	-	-	500	1000
Hardness, Shore A	76	-	76	76	-	-	-	70	75	40	73	75	-	76	-	-	70	40
Product Form	Powder	Powder	Porous Pellet/ Powder	Powder	Powder	Powder	Powder	Porous Pellet	Porous Pellet/ Powder	Porous Pellet	Dense Pellet	Dense Pellet	Powder	Powder	Powder	Powder	Dense Pellet	Dense Pellet



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