

ReTeng[®] A-500SC

● Description

Chemical Composition:	Dipolymer of hexafluoropropylene and vinylidene fluoride
Physical Form:	Sheet, White or Light Yellow
Mooney Viscosity:	55(ML 1 + 10,121°C)

● Recipe and Physical Properties

		RT1019	RT1020	RT1021	RT1022	RT1023	RT1024
A-500SC		95	96	97	95	95	95
CP-50 Curative Masterbatch		5	4	3	5	5	5
N990		25	25	25	5	15	45
Calcium Hydroxide		6	6	6	6	6	6
High-activity MgO		3	3	3	3	3	3
WS-280		1	1	1	1	1	1
Carnauba wax		1	1	1	1	1	1
Total Phr		136	136	136	116	126	156
MDR 177°C×8min							
ML	dNm	1.37	1.54	1.66	1.05	1.26	2.45
MH	dNm	23.9	19.7	15.0	15.7	19.5	35.1
Ts1	min	0.98	0.91	0.80	1.26	1.17	0.90
Ts2	min	1.08	1.01	0.90	1.35	1.29	1.06
T10	min	1.10	1.00	0.84	1.31	1.27	1.17
T50	min	1.29	1.23	1.11	1.54	1.50	1.46
T90	min	2.20	1.93	1.77	2.20	2.21	2.29
Slab Cure 177°C×10min							
Specific Gravity	g/cm ³	1.83	1.82	1.82	1.82	1.82	1.83
Hardness	Shore A	76	74	72	62	69	86
Tensile Strength	MPa	7.8	7.8	7.1	7.6	7.2	7.3
Elongation	%	250	335	395	277	263	218
100% M	MPa	3.5	3.0	2.2	2.0	2.7	5.1
Post Cure 230°C×24hrs							
Hardness	Shore A	77	75	73	63	70	89
Tensile Strength	MPa	15.9	15.6	16.6	11.0	15.2	17.4
Elongation	%	175	219	290	224	222	154
100% M	MPa	7.0	5.0	3.9	2.6	4.4	11.7
Compression Set, 200°C×22 hrs	%	11	11	15	10	8	15
Compression Set, 200°C×70 hrs	%	20	21	27	21	20	21