

ReTeng[®] A-200SC

● Description

Chemical Composition:	Dipolymer of hexafluoropropylene and vinylidene fluoride
Physical Form:	Sheet, White or Light Yellow
Mooney Viscosity:	25(ML1+10,121°C)

● Recipe and Physical Properties

		RT1063	RT1064	RT1065	RT1066	RT1067	RT1068
A-200SC		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	0.5	0.52	0.54	0.27	0.37	1.05
MH	dNm	20.8	16.4	11.9	13.1	16.5	32.2
Ts1	min	1.11	0.99	0.97	1.31	1.20	0.93
Ts2	min	1.19	1.07	1.07	1.38	1.28	1.05
T10	min	1.19	1.05	0.99	1.33	1.26	1.11
T50	min	1.38	1.26	1.28	1.54	1.45	1.31
T90	min	2.42	2.24	2.27	2.34	2.37	2.21
Slab Cure		177°C×10min					
Specific Gravity	g/cm ³	1.82	1.82	1.82	1.82	1.82	1.83
Hardness	Shore A	74	72	69	59	68	85
Tensile Strength	MPa	7.3	7.2	7.5	4.5	7.5	7.3
Elongation	%	273	317	378	214	286	227
100% M	MPa	3.3	2.7	2.3	1.8	2.5	4.9
Post Cure		230°C×24hrs					
Hardness	Shore A	77	74	71	61	69	88
Tensile Strength	MPa	13.3	14.7	13.3	7.96	12.7	14.7
Elongation	%	176	236	297	191	205	155
100% M	MPa	6.1	4.7	3.5	2.4	4.1	10.9
Compression Set, 200°C×22 hrs	%	13	15	13	13	13	13
Compression Set, 200°C×70 hrs	%	21	22	26	22	21	19