

ReTeng[®] A-501C

● Description

Application	O-ring and gasket
Chemical Composition	Dipolymer of hexafluoropropylene and vinylidene fluoride plus curatives
Form and Color	Sheet
Specific Gravity	1.82
Mooney Viscosity (ML1+10 at 121°C)	45

● Reference Recipes and Properties

		R-1	R-2	R-3
A-501C		100	100	100
N990		5	15	25
Calcium hydroxide		6	6	6
Magnesium oxide (highly active)		3	3	3
Carnauba wax		1	1	1
Total Phr		115	125	135
MDR, 0.5°arc	177°C×8min			
ML	dNm	0.95	1.10	1.40
MH	dNm	13.6	17.19	20.93
Ts2	min	1.21	1.13	1.04
T10	min	1.15	1.10	1.03
T50	min	1.38	1.32	1.26
T90	min	2.14	1.99	1.90
Mooney Viscosity				
ML 1+4, 4 minutes at 100°C	MU	84	88	101
Slab Cure	177°C×10min			
Post Cure	230°C×24hrs			
Hardness Shore A	ASTM D2240	59	68	75
Tensile Strength	MPa	8.8	12.2	13.3
Elongation at break	%	239	230	223
Modulus at 100 %	MPa	2.1	3.4	4.9
Compression Set	ASTM D395			
200°C×22hrs	%	7	7	9
200°C×70hrs	%	13	13	15
200°C×168hrs		23	23	24