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## Datasheet

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## 锐腾 ReTeng<sup>®</sup> 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 (ML 1 + 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
<b>Total Phr</b>		<b>115</b>	<b>125</b>	<b>135</b>
<b>MDR, 0.5°arc</b>	177°Cx8min			
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
<b>Mooney Viscosity</b>				
ML 1+4, 4 minutes at 100°C	MU	84	88	101
<b>Slab cure</b>	177°Cx10min			
<b>Post Cure</b>	230°Cx24hrs			
<b>Hardness Shore A</b>	ASTM D2240	59	68	75
<b>Tensile Strength</b>	MPa	8.8	12.2	13.3
<b>Elongation at break</b>	%	239	230	223
<b>Modulus at 100 %</b>	MPa	2.1	3.4	4.9
<b>Compression Set</b>	ASTM D395			
200°Cx22hrs	%	7	7	9
200°Cx70hrs	%	13	13	15
200°Cx168hrs		23	23	24

## ● Test Procedures

Property Measured	Test Procedure
Tensile Properties	ASTM D412
Hardness Shore A	ASTM D1414
Compression set	ASTM D395

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