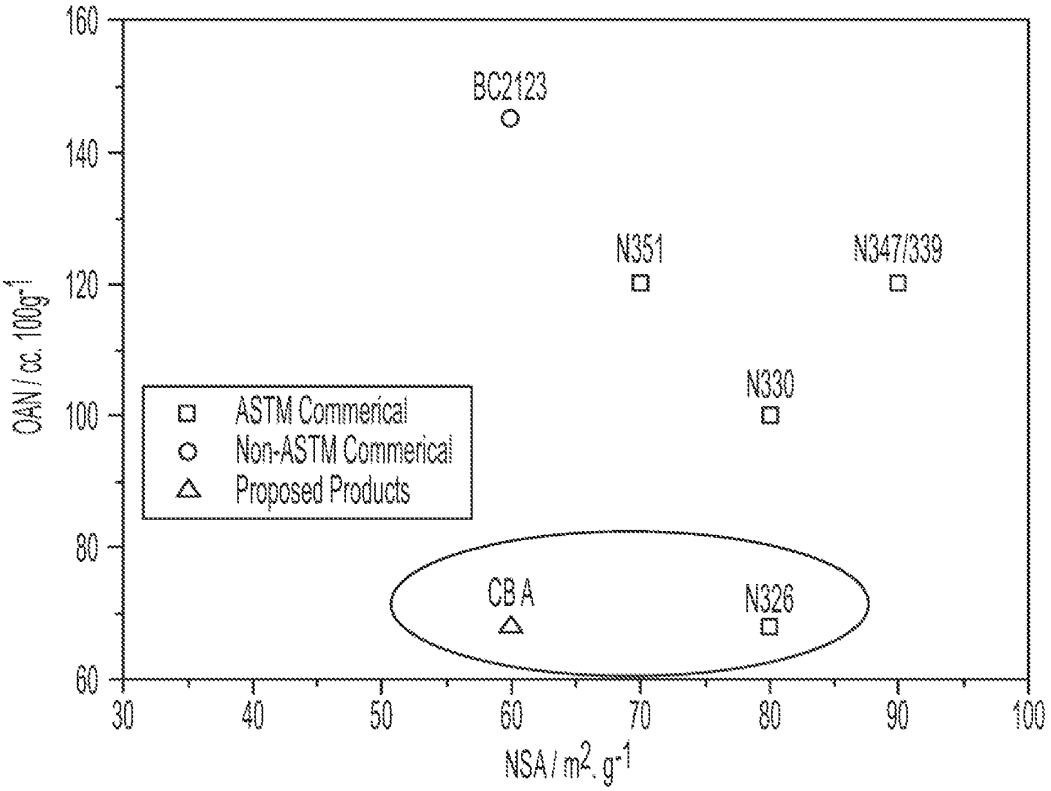

160
140
120
100
80
60
30
40
50
60
70
80
90
100
OAN / cc. 100g-1
NSA / m2. g-1
BC2123
N351
N347/339
N330
N326
CB A
ASTM Commerical
Non-ASTM Commerical
Proposed Products

FIG.1

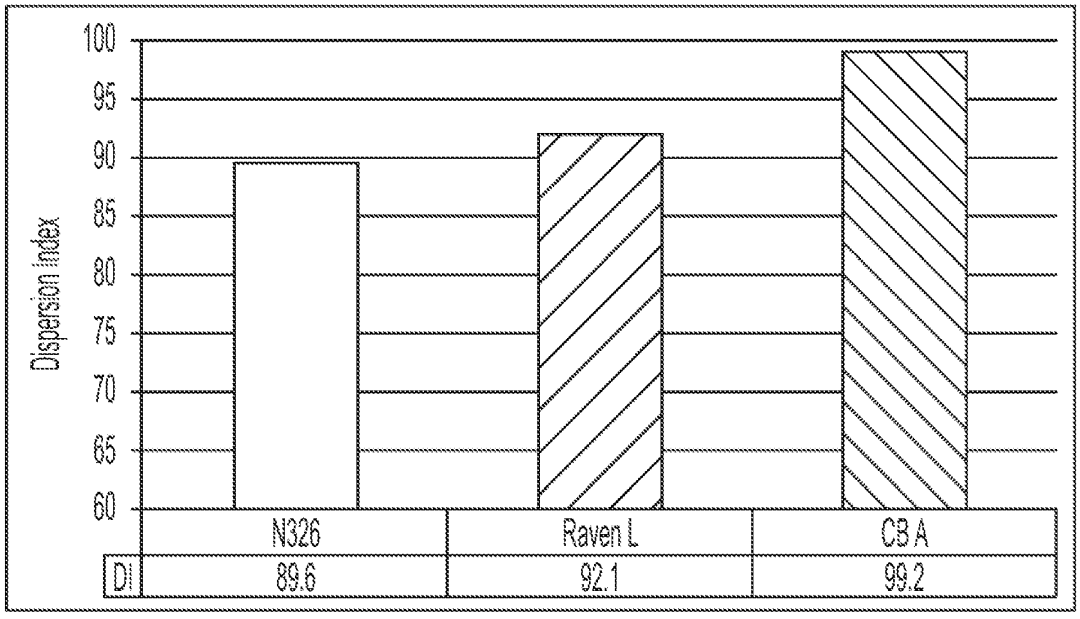

100
95
90
85
80
75
70
65
60
Dispersion index
N326
Raven L
CB A
DI
89.6
92.1
99.2

FIG.2

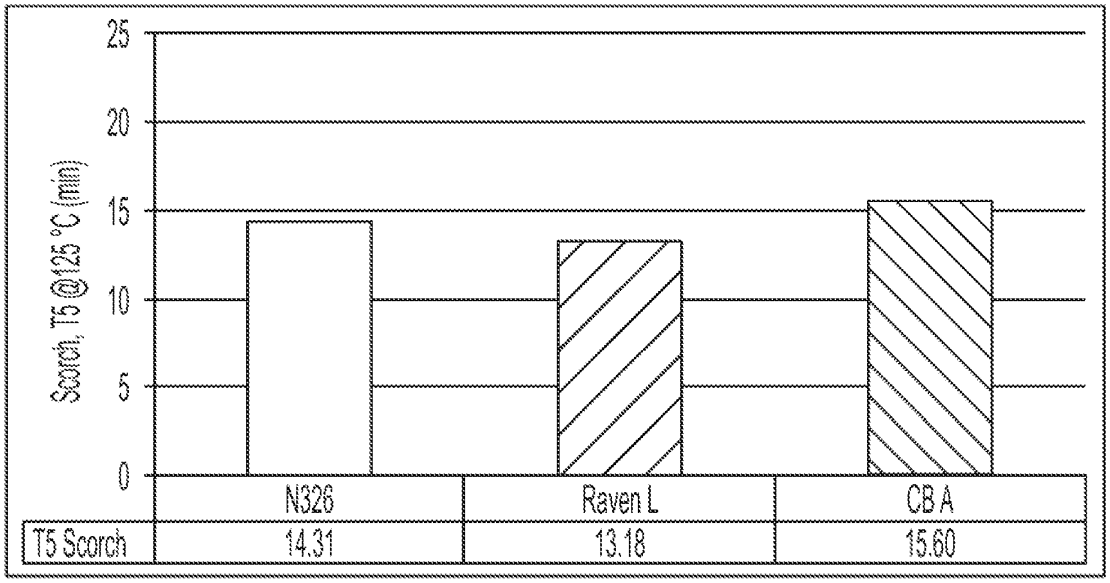

Scorch, T5 @125 °C (min)
25
20
15
10
5
0
N326
Raven L
CB A
T5 Scorch
14.31
13.18
15.60

FIG.3

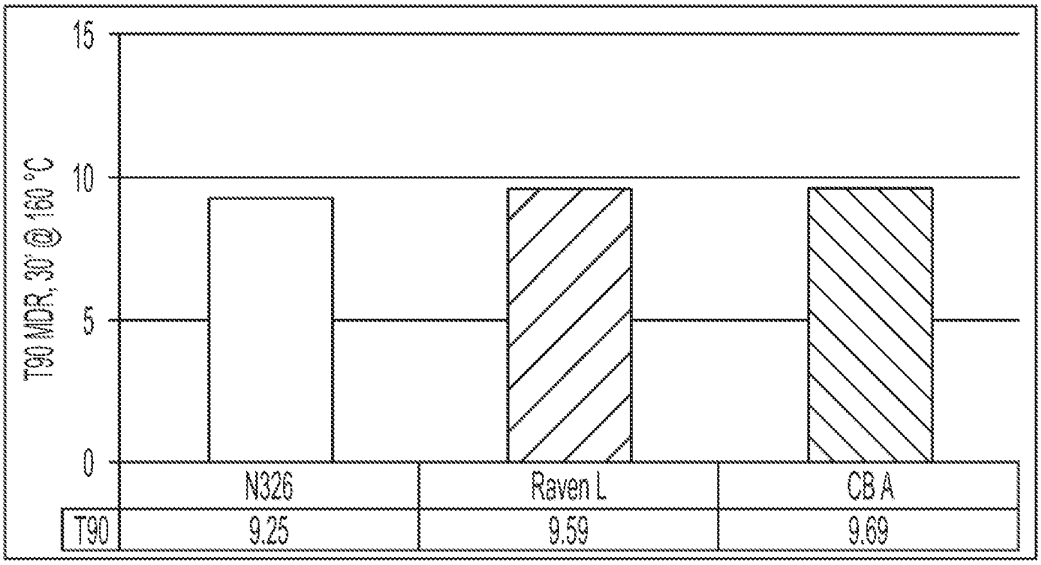

T90 MDR, 30' @ 160 °C
15
10
5
0
N326
Raven L
CB A
T90
9.25
9.59
9.69

FIG.4

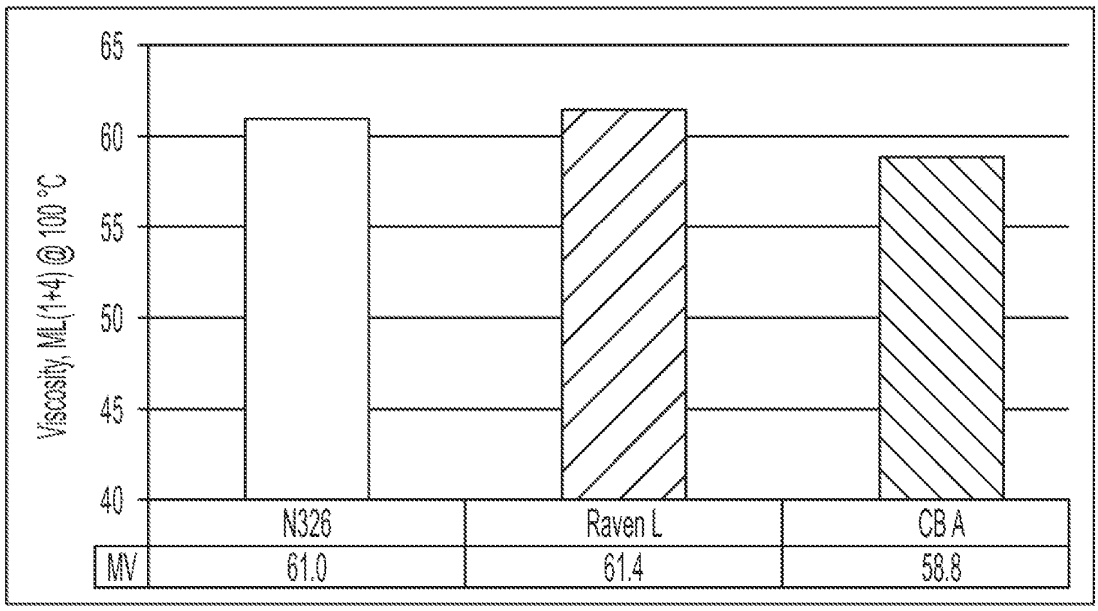

Viscosity, ML(1+4) @ 100 °C
65
60
55
50
45
40
N326
Raven L
CB A
MV
61.0
61.4
58.8

FIG.5

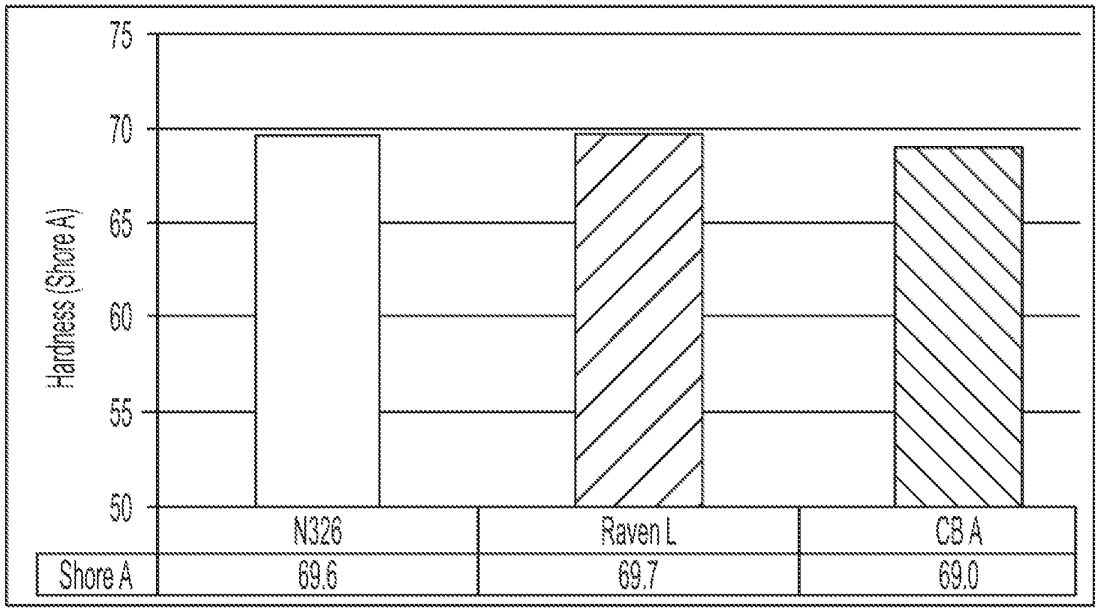
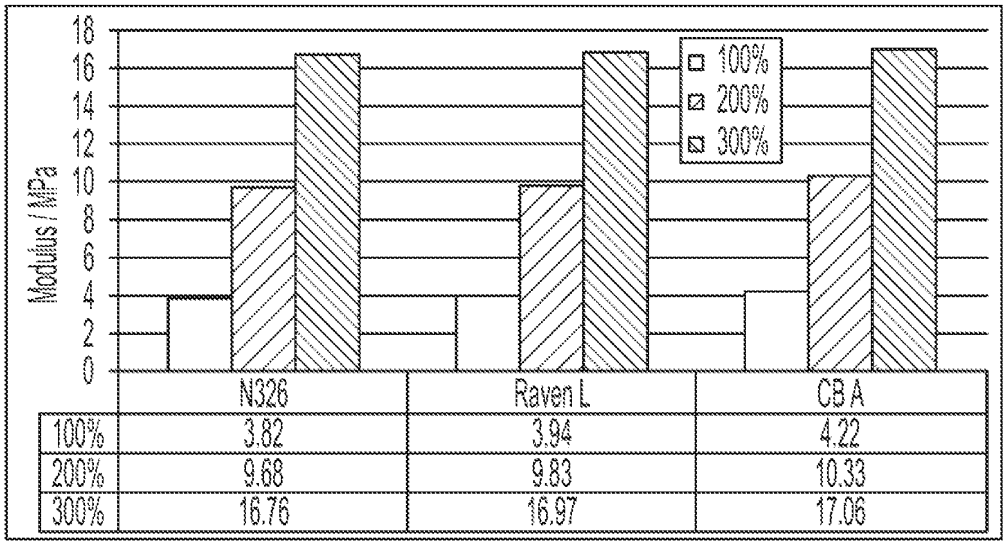
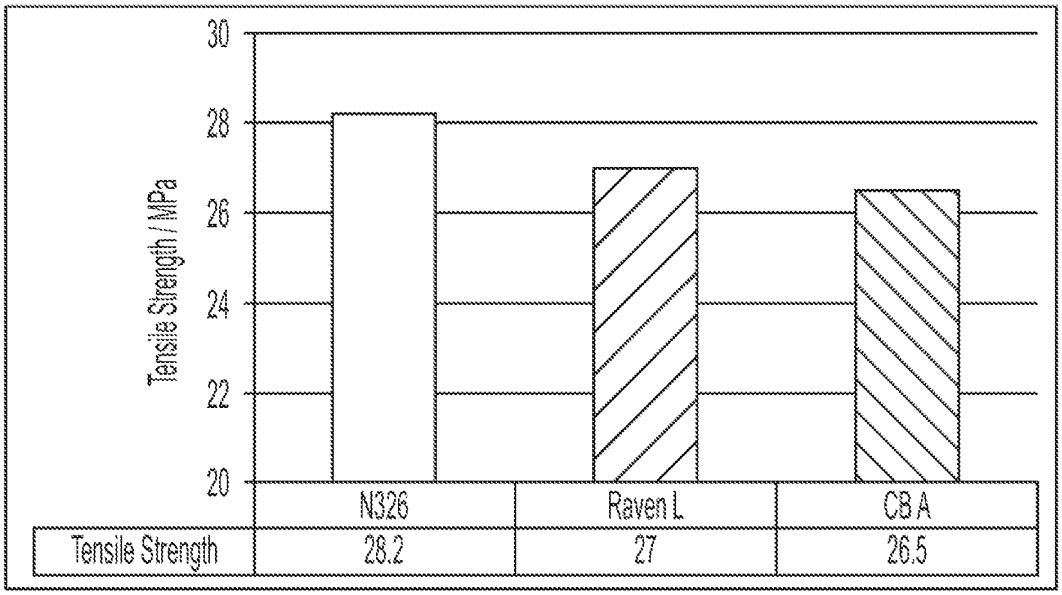

Hardness (Shore A)
75
70
65
60
55
50
N326
Raven L
CB A
Shore A
69.6
69.7
69.0

FIG.6



	N326	Raven L	CB A
100%	3.82	3.94	4.22
200%	9.68	9.83	10.33
300%	16.76	16.97	17.06

FIG.7



	N326	Raven L	CB A
Tensile Strength	28.2	27	26.5

FIG.8

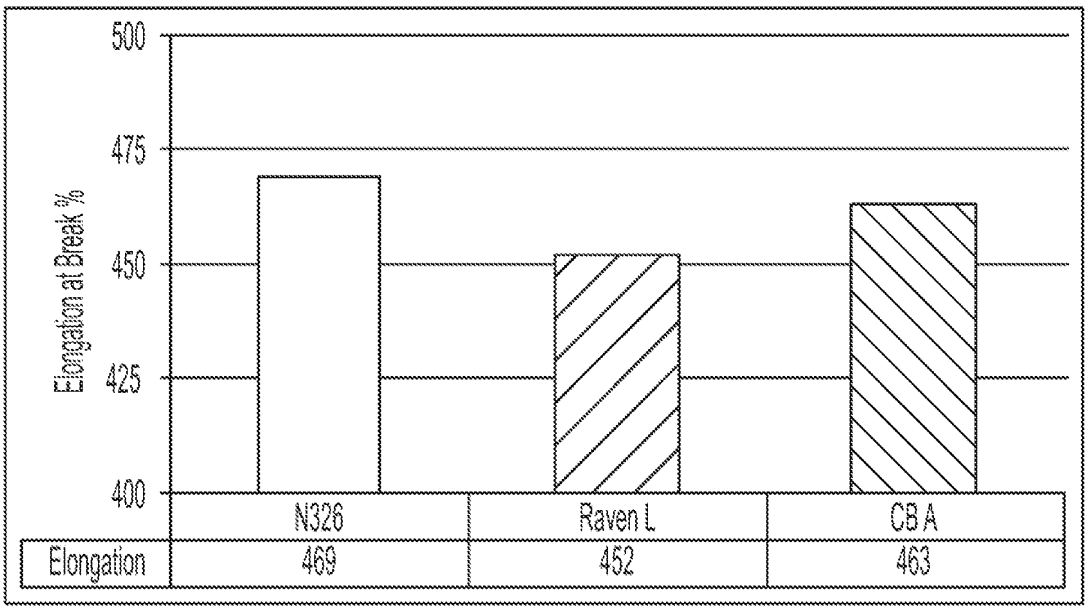

500
475
450
425
400
Elongation at Break %
N326
Raven L
CB A
Elongation
469
452
463

FIG.9

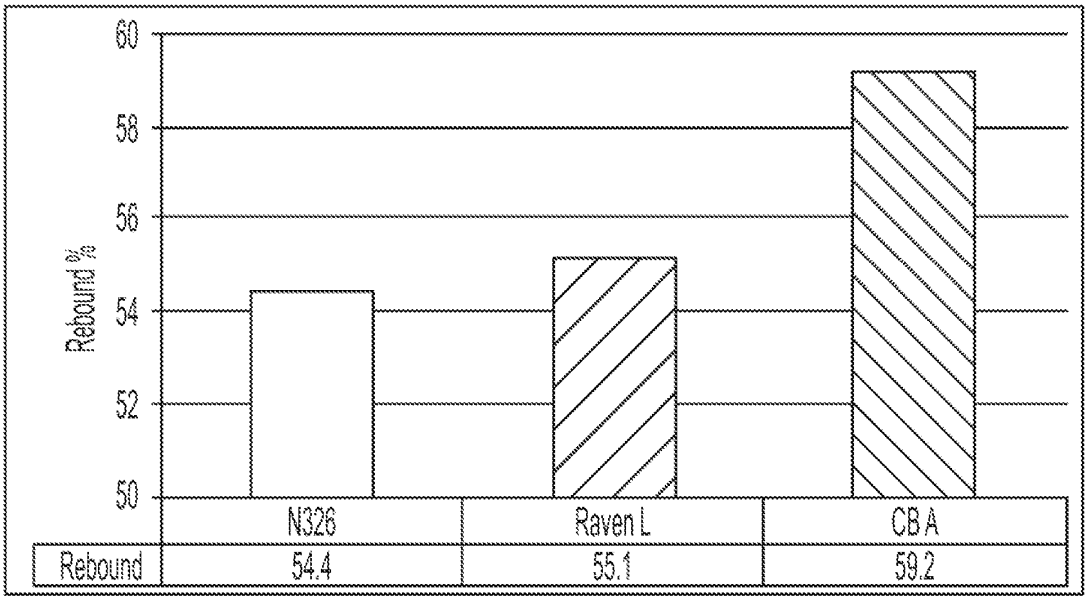

60
58
56
54
52
50
Rebound %
N326
Raven L
CB A
Rebound
54.4
55.1
59.2

FIG.10

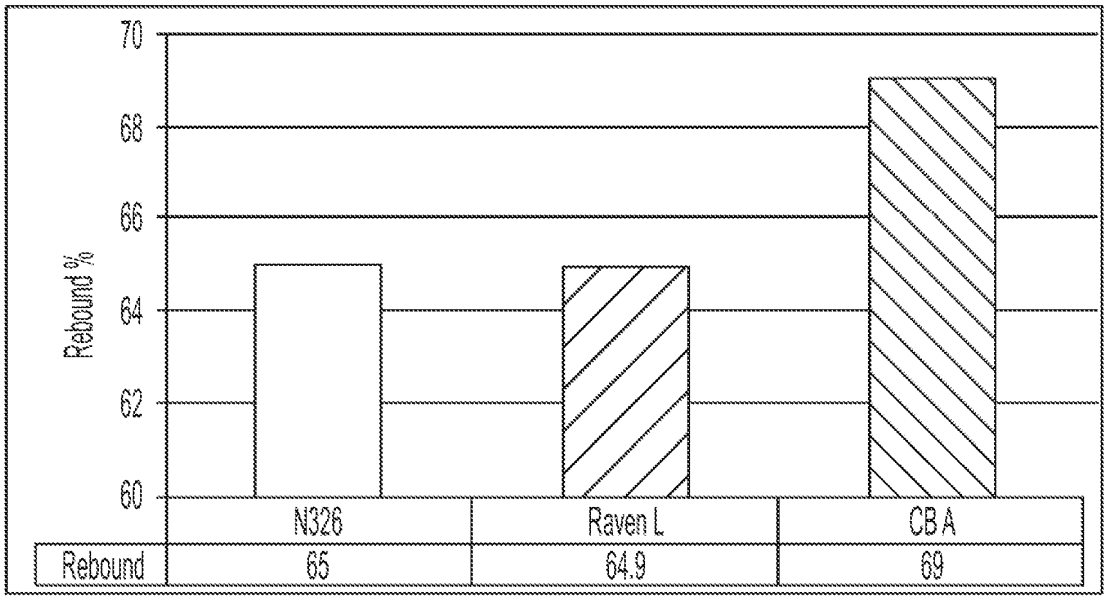

70
68
66
64
62
60
Rebound %
N326
Raven L
CB A
Rebound
65
64.9
69

FIG.11

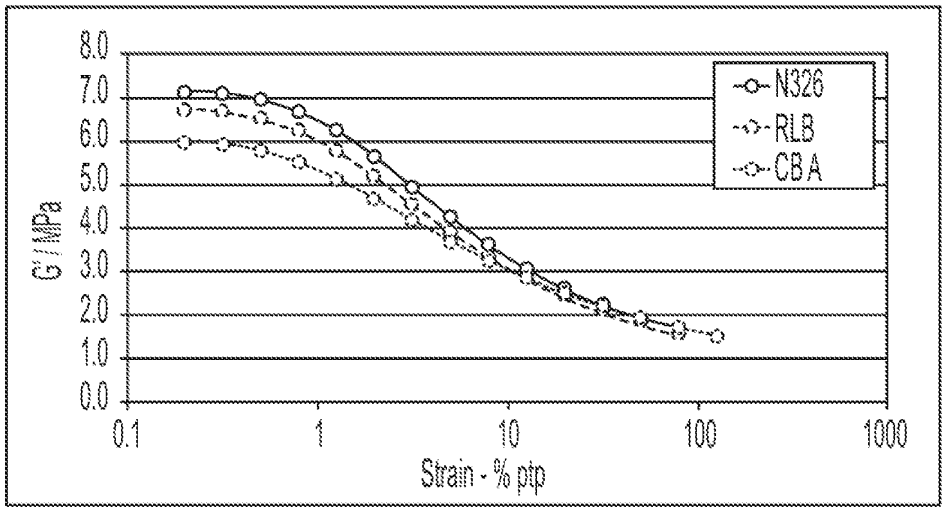

8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
G' / MPa
0.1
1
10
100
1000
Strain - % p/p
N326
RLB
CB A

FIG.12

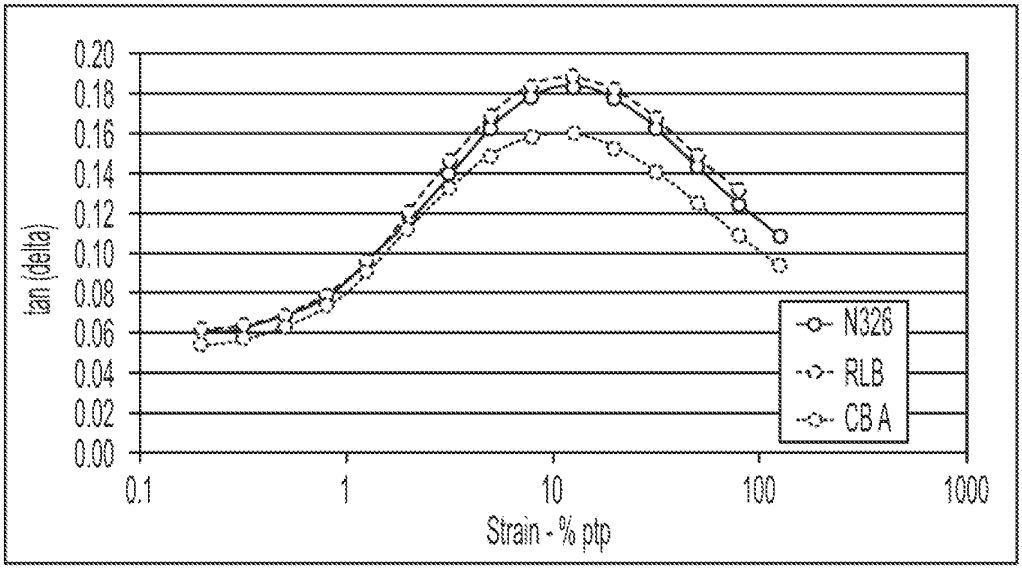


FIG.13

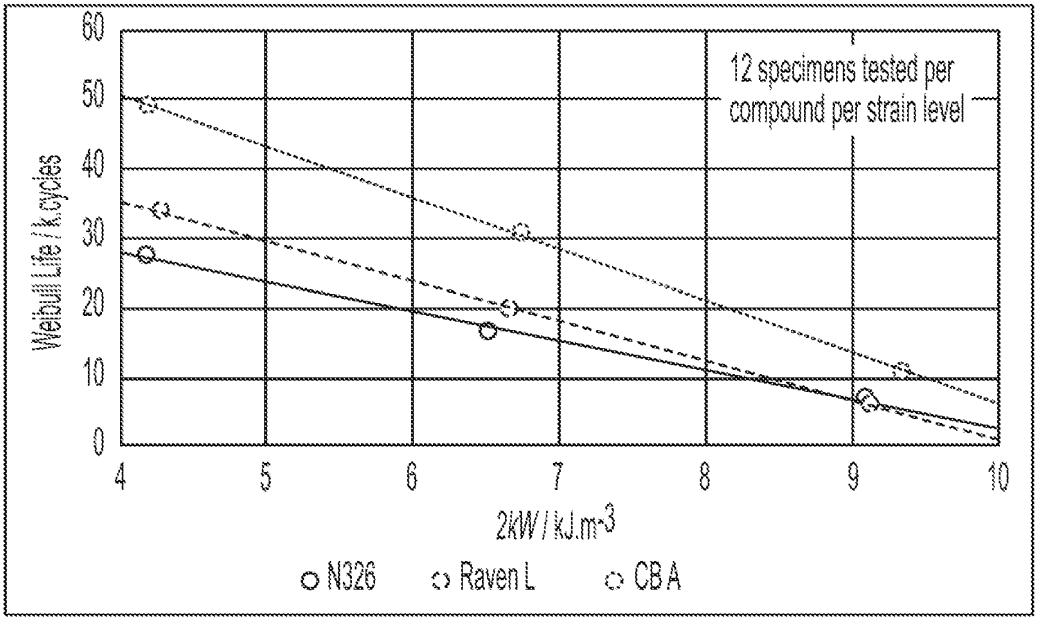


FIG.14A

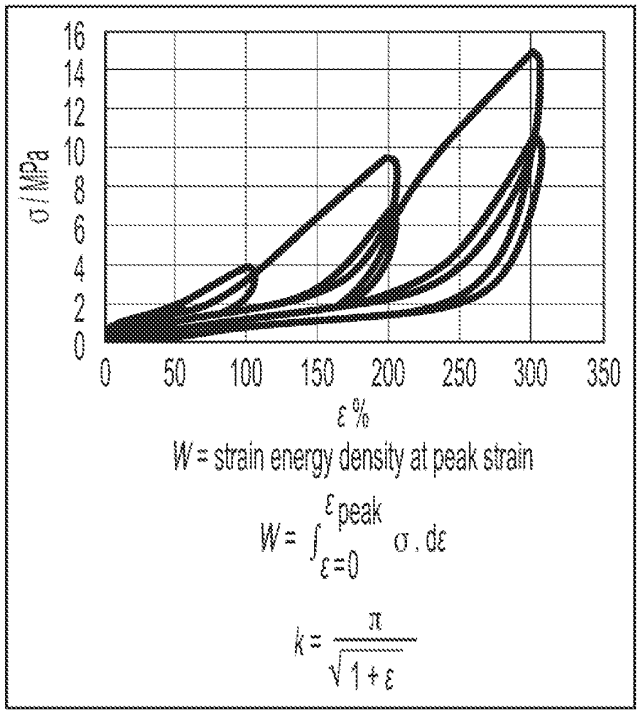


FIG.14B

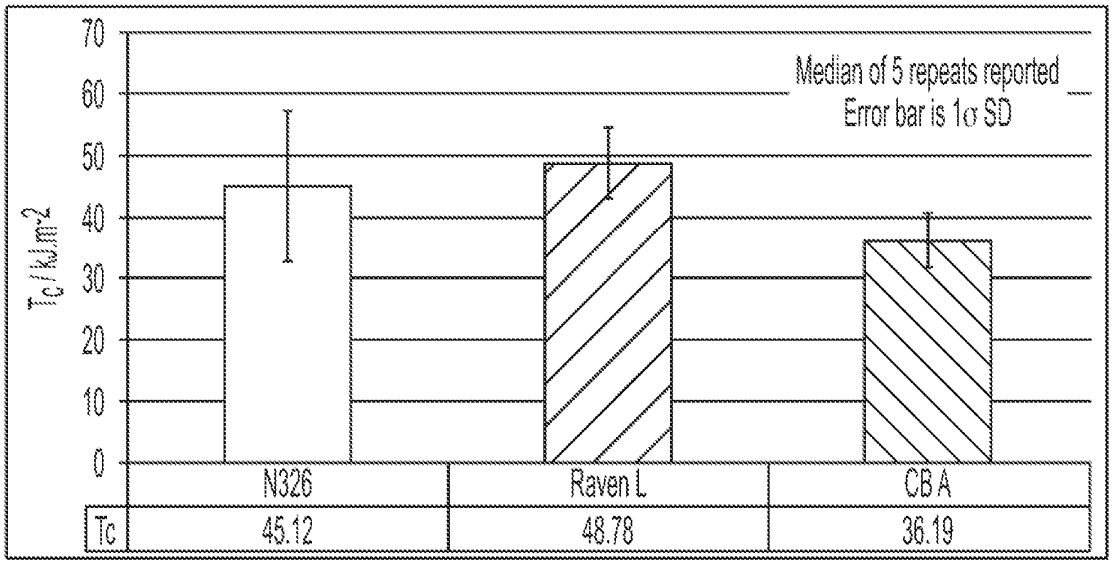


FIG.15