

## E2C™ FX9390 elastomer composite



### GENERAL DESCRIPTION

Cabot's engineered elastomer composite (E2C™) solutions are designed for superior particle dispersion and enhanced polymer-particle interaction, which results in stronger reinforcement, improved resistance to damage and reduced hysteresis.

### PERFORMANCE FEATURES

E2C FX9390 is formulated to deliver significant performance improvement balanced across cut/chip/chunk resistance, heat buildup and abrasion resistance.

### TYPICAL APPLICATIONS

- ◆ Mining tire tread/retread for high durability
- ◆ Hard rock mining with high impact, cut and gouge
  - Mill liner
  - Conveyor belt top cover
- ◆ Rubber track for construction

# E2C™ FX9390 elastomer composite

## TECHNICAL DATA

### TEST SETUP:

E2C mixing follows Cabot Light Touch™ mixing protocols; reference compound uses two-stage mixing. NR=natural rubber. CB=carbon black.

E2C FX9390 elastomer composite	NR/ASTM N220 CB	NR/ASTM N330 CB
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### PERFORMANCE

Mooney Viscosity  
ML (1+4) at 100° C,  
(M.U.)

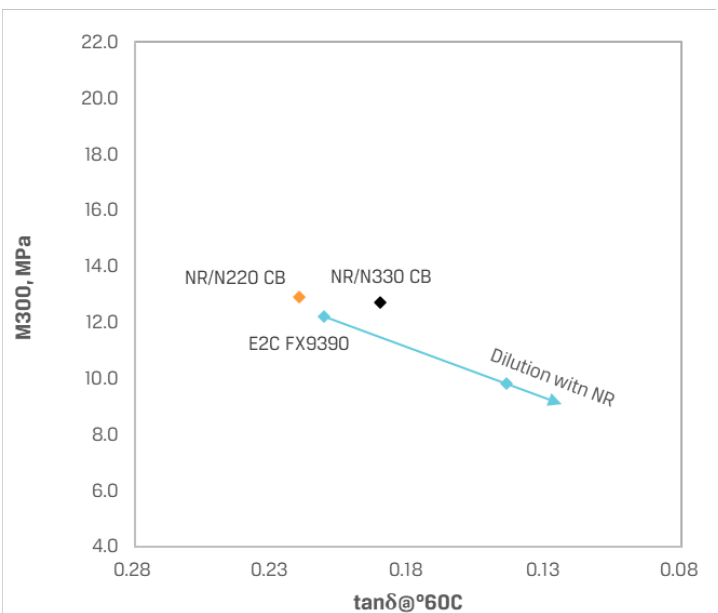
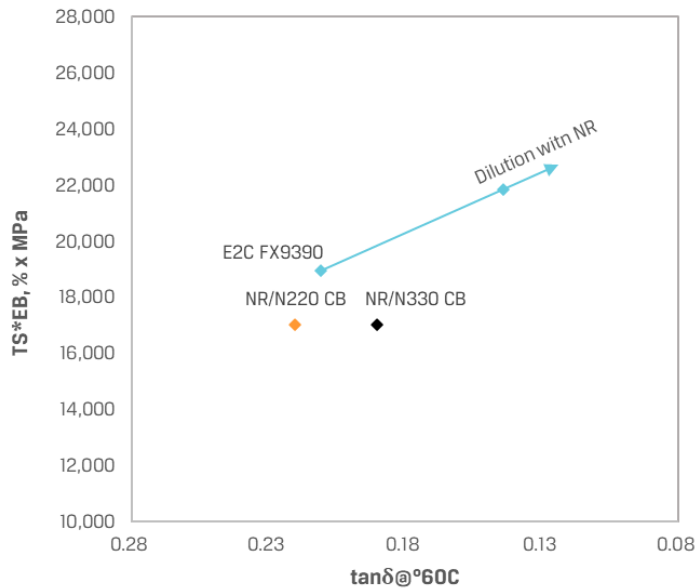
300% Modulus,  
MPa

Tensile Strength,  
MPa

Elongation at  
Break, %

Tanδ 60° C

81	89	83
12.2	12.9	12.7
31.4	28.7	28.6
603	594	596
0.21	0.22	0.19



For more information, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative at [cabotcorp.com/contact](http://cabotcorp.com/contact).

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