

E2C™ FX9570 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 FX9570 elastomer composite is designed to improve heat buildup and rebound performance while delivering high durability where abrasion and cut-chip wear are typical.

TYPICAL APPLICATIONS

- ◆ Off-the-road tread/retread for high durability
- ◆ Small particle mining applications with abrasion
 - Mill liner
 - Slurry pump liner
 - Cyclone liner
- ◆ Screen panel for optimizing durability and throughput
- ◆ Agricultural rubber track

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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 FX9570 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.)

82

89

83

300% Modulus, MPa

13.9

12.9

12.7

Tensile Strength, MPa

30.6

28.7

28.6

Elongation at Break, %

574

594

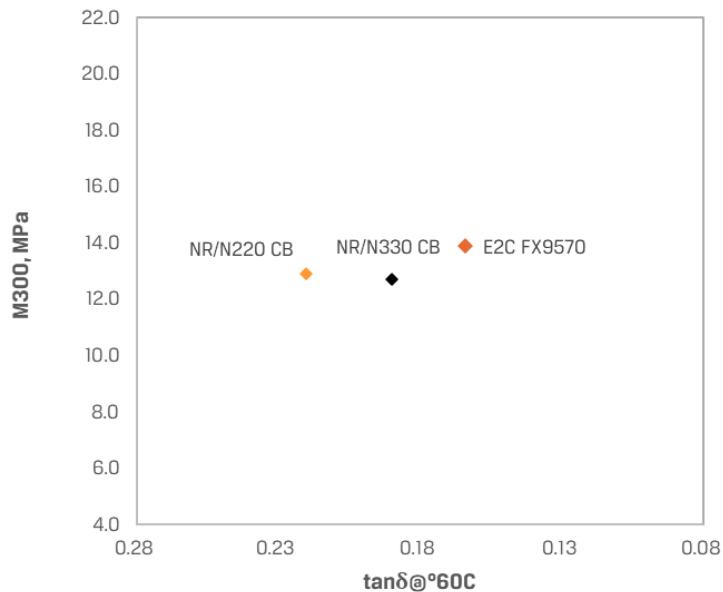
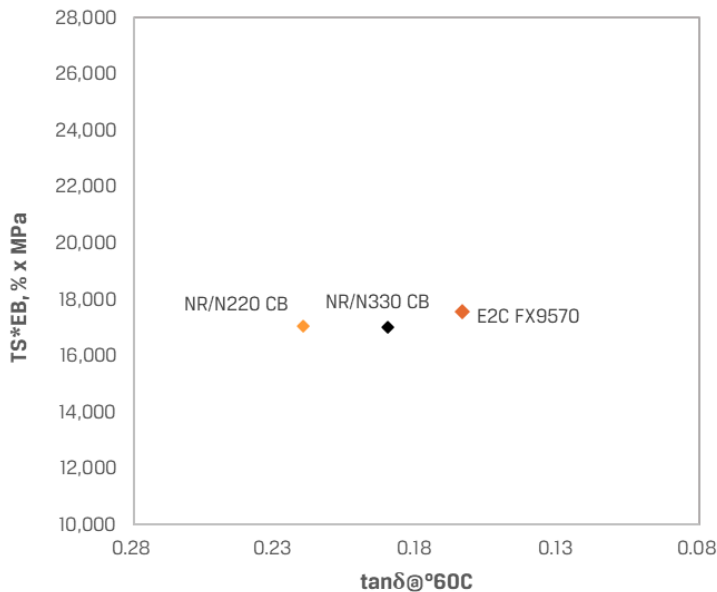
596

Tanδ at 60° C

0.16

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.

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