PRODUCT DATA SHEET

E2C™ DX9640 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 DX9640 elastomer composite is designed for applications that require severe abrasion resistance and low heat buildup. It features high 300% modulus and low tan δ.

TYPICAL APPLICATIONS

- Mining tire tread/retread for improving tonne-kilometres per hour (TKPH)
- Tire undertread
- On road truck tire treads
- Industrial rubber products for high durability

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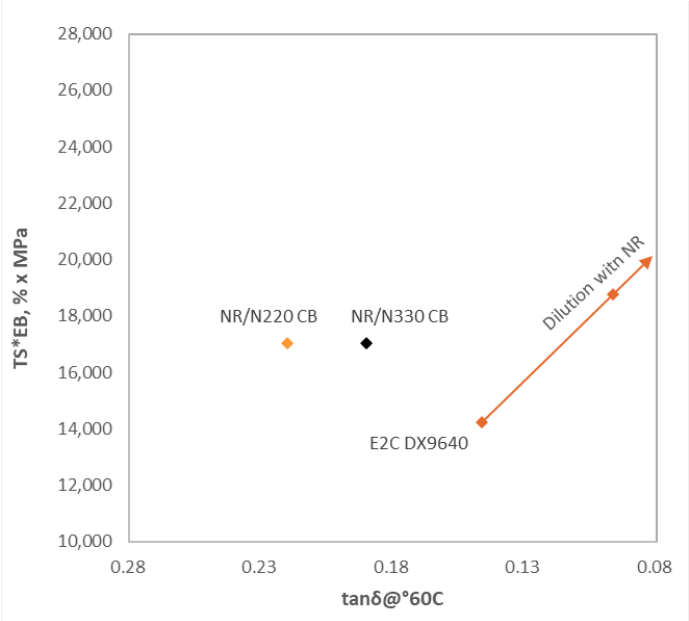
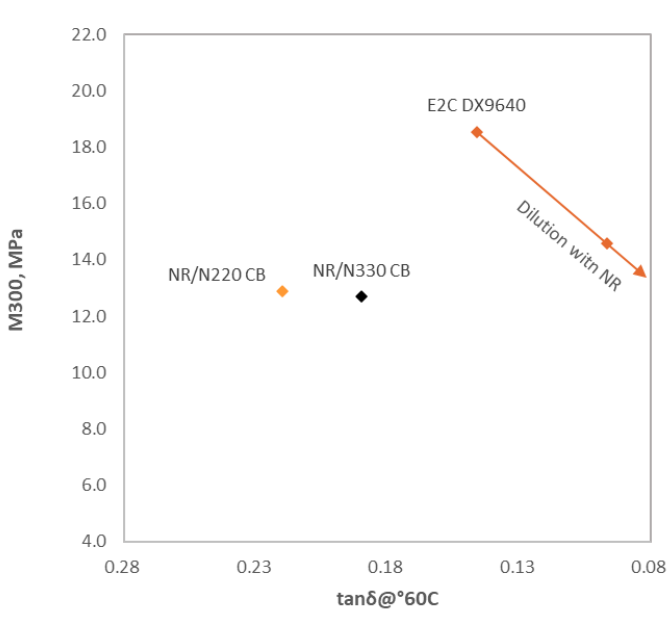
TECHNICAL DATA

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

	E2C DX9640 elastomer composite	NR/ASTM N220 CB	NR/ASTM N330 CB
PERFORMANCE			
Mooney Viscosity ML (1+4) at 100˚ C, (M.U.)	84	89	83
300% Modulus, MPa	18.5	12.9	12.7
Tensile Strength, MPa	30.1	28.7	28.6
Elongation at Break, %	473	594	596
Tanδ at 60° C	0.15	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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