PRODUCT DATA SHEET

E2C™ DX9730 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 DX9730 elastomer composite is designed for applications that require resistance to severe cutting and chipping. It features high elongation and high tensile strength.

TYPICAL APPLICATIONS

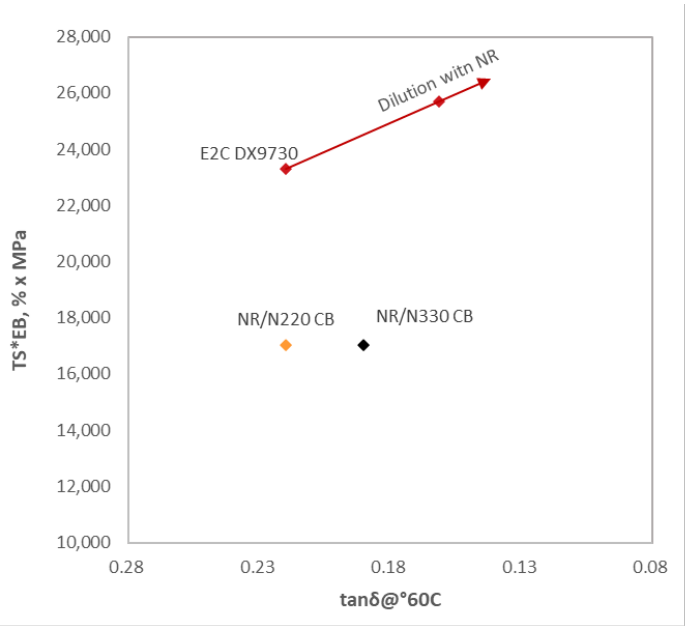
- Mining tire tread/retread for severe operating environments
- Industrial rubber products for high durability

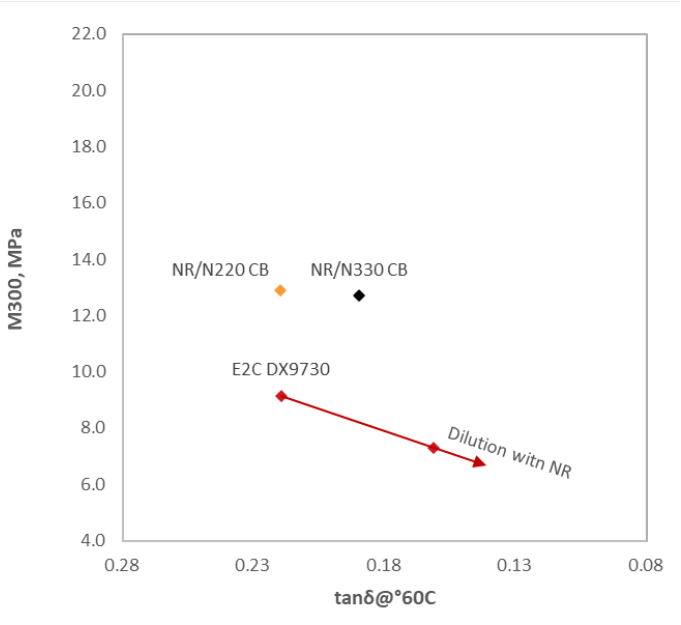
E2C™ DX9730 elastomer composite

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 DX9730 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	9.1	12.9	12.7
Tensile Strength, MPa	33.3	28.7	28.6
Elongation at Break, %	700	594	596
Tanδ at 60° C	0.22	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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