

E2C[®] EX9840S elastomer composite



GENERAL DESCRIPTION

Cabot Corporation's **E2C[®]** engineered elastomer composites 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 EX9840S elastomer composite is designed to deliver extremely low heat buildup, high toughness, balanced modulus, and enhanced processability.

TYPICAL APPLICATIONS

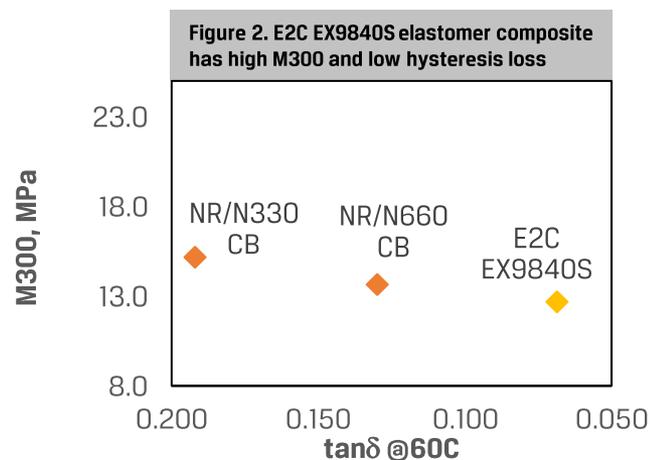
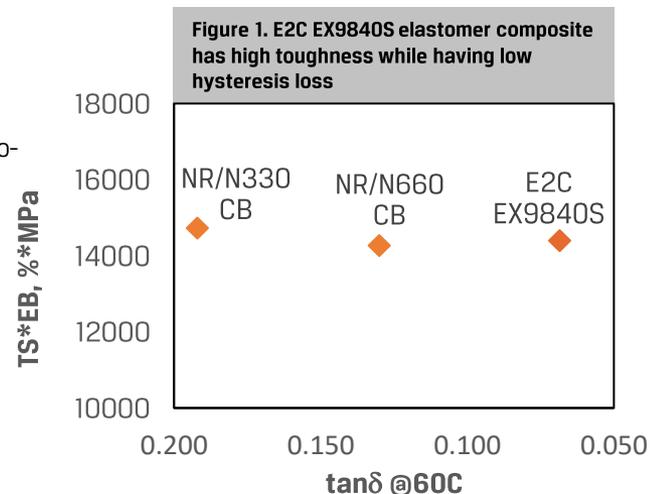
- ◆ Tire non-tread applications where ultra-low heat build-up is desired.
 - Wireskim
 - Tread-base
 - Undertread
- ◆ Automotive anti-vibration parts that requires low spring ratio and excellent fatigue.
- ◆ Mining slurry applications that requires excellent erosion and wet abrasion resistance
 - Slurry pump liner
 - Hydro-cyclone liner

E2C[®] EX9840S elastomer composite

TEST SETUP:

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

PERFORMANCE	E2C EX9840S elastomer composite	NR/ASTM N330 CB	NR/ASTM N660 CB
Mooney Viscosity ML(1+4) at 100C, (M.U.)	59	82	67
300% Modulus, MPa	12.7	15.2	13.7
Tensile Strength, MPa	27.2	28.2	26.8
Elongation at Break, %	530	523	533
Tand at 60C	0.07	0.19	0.13



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

This information is provided as a convenience and for informational purposes only. No guarantee or warranty as to this information, or any product to which it relates, is given or implied. This information may contain inaccuracies, errors or omissions and CABOT DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AS TO (i) SUCH INFORMATION, (ii) ANY PRODUCT OR (iii) INTELLECTUAL PROPERTY INFRINGEMENT. In no event is Cabot responsible for, and Cabot does not accept and hereby disclaims liability for, any damages whatsoever in connection with the use of or reliance on this information or any product to which it relates.

The E2C brand is a registered trademark of Cabot Corporation. Light Touch is a trademark of Cabot Corporation.

©2025 Cabot Corporation. All rights reserved worldwide. cabotcorp.com