

CRX™ 1346 carbon black



GENERAL DESCRIPTION

CRX™ 1346 carbon black is a member of a special family of very high surface area products specifically developed by Cabot for very high performance and racing tire treads. The treads of these tires require a performance balance difficult to meet with the traditional, high surface area ASTM carbon black products.

CRX 1346 carbon black is a very fine particle size carbon black with a surface area much higher than standard ASTM N200 and N100 carbon black products.

PERFORMANCE FEATURES

CRX 1346 carbon black offers a unique combination of a very high hysteresis with high static and dynamic modulus. Those rubber compound properties are critical for the tread part of very high performance (> V speed rating) passenger car, racing and motorcycle tires to help grant excellent grip and a good handling performance.

CRX 1346 carbon black gives higher stiffness and modulus than VULCAN® 1391 carbon black with abrasion resistance beyond ASTM N100 series carbon blacks.

TYPICAL APPLICATIONS

- Treads of ultra high performance passenger car, racing and motorcycle tires

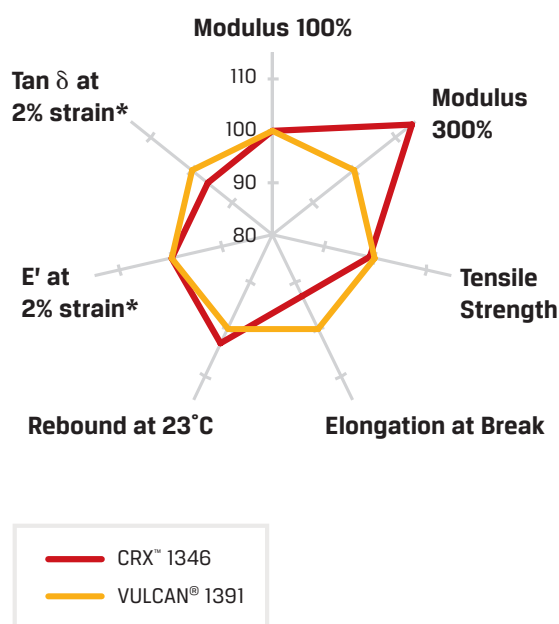


CRX™ 1346 carbon black

TECHNICAL DATA

1) Test formulation: 138 phr SBR 1721 ,
70 phr carbon black

2) Test formulation: 100 phr NR , 50 phr carbon black



PROCESSING PROPERTIES

Mooney Viscosity

ML (1+4) at 100°C, (M.U.)

CRX™ 1346	ASTM N134	ASTM N115	ASTM N234
102	92	86	89

PHYSICAL PROPERTIES

Zwick Rebound

Rebound @ 60oC, (%)

CRX™ 1346	ASTM N134	ASTM N115	ASTM N234
57	58	59	61

Tensile Properties

Tensile Strength, MPa

CRX™ 1346	ASTM N134	ASTM N115	ASTM N234
31.5	30.3	29.2	29.4

100% Modulus, MPa

CRX™ 1346	ASTM N134	ASTM N115	ASTM N234
2.8	2.6	2.5	2.8

300% Modulus, MPa

CRX™ 1346	ASTM N134	ASTM N115	ASTM N234
14.1	13.2	12.1	14.0

Elongation at Break, %

CRX™ 1346	ASTM N134	ASTM N115	ASTM N234
560	568	569	545

Lab Abrasion*

Index @ 14% slip

CRX™ 1346	ASTM N134	ASTM N115	ASTM N234
100	91	80	84

* higher index is better

NORTH AMERICA
Cabot Corporation
1095 Windward Ridge
Parkway
Suite 200
Alpharetta, GA 30005
USA
TEL +800 472 4889

SOUTH AMERICA
Cabot Brasil Industria e
Comércio Ltda.
Rua do Paraíso 148-5th floor
São Paulo - SP, Brazil
Paraíso CEP.: 04103-000
TEL +55 11 2144 6400
CUSTOMER SERVICE
0800 195959

EMEA*
Cabot EMEA Business Service Centre
SIA Cabot Latvia
101 Mukusalas Street
Riga, LV-1004
Latvia
TEL +371 67050700
*Europe, Middle East and Africa

CHINA
Cabot China Ltd.
558 Shuangbai Road
Minghang District
Shanghai 201108
China
TEL +86 21 5175 8800

ASIA PACIFIC NORTH
Cabot Japan K.K.
Sumitomo Shiba-Daimon Bldg. 3F
2-5-5 Shiba Daimon,
Minato-ku
Tokyo 105-0012
Japan
TEL +81 3 3431 1770

ASIA PACIFIC SOUTH
PT. Cabot Indonesia
Talavera Office Park
Jl. Letjen TB Simatupang
Kav 22-26, Cilandak
Jakarta 12430
Indonesia
TEL +62 21 27584100

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 CRX brand is a registered trademark of Cabot Corporation.
©2013, 2008, 2002, 2001 Cabot Corporation.
C1346_pds 09/2014

CABOT
cabotcorp.com