

## PROPEL™ E6 carbon black



### GENERAL DESCRIPTION

PROPEL™ E6 carbon black has a unique combination of surface area, aggregate size distribution and morphological structure making it different from any ASTM series carbon black.

The product is relatively easy to incorporate in rubber and gives excellent dispersion in rubber. Die swell and extrusion shrinkage are low and extrusion appearance is good compared with other reinforcing carbon blacks.

PROPEL E6 carbon black offers ASTM N200 type carbon black level of tread wear performance at ASTM N300 type carbon black level of rolling resistance.



### PERFORMANCE FEATURES

PROPEL E6 carbon black is ideal for treads of low rolling resistance truck and passenger car tires to improve vehicle fuel economy while maintaining good tread wear resistance. As an example, PROPEL E6 can be used for super single truck tires to address the low heat buildup and good abrasion resistance requirement for such tires.

PROPEL E6 carbon black can be used for passenger car and light truck tire treads that also contain silica. The product has low hysteresis and high stiffness, which allows a lower silica blend ratio, and has a positive impact on compound mixing, processing and tread wear.



### TYPICAL TIRE APPLICATIONS

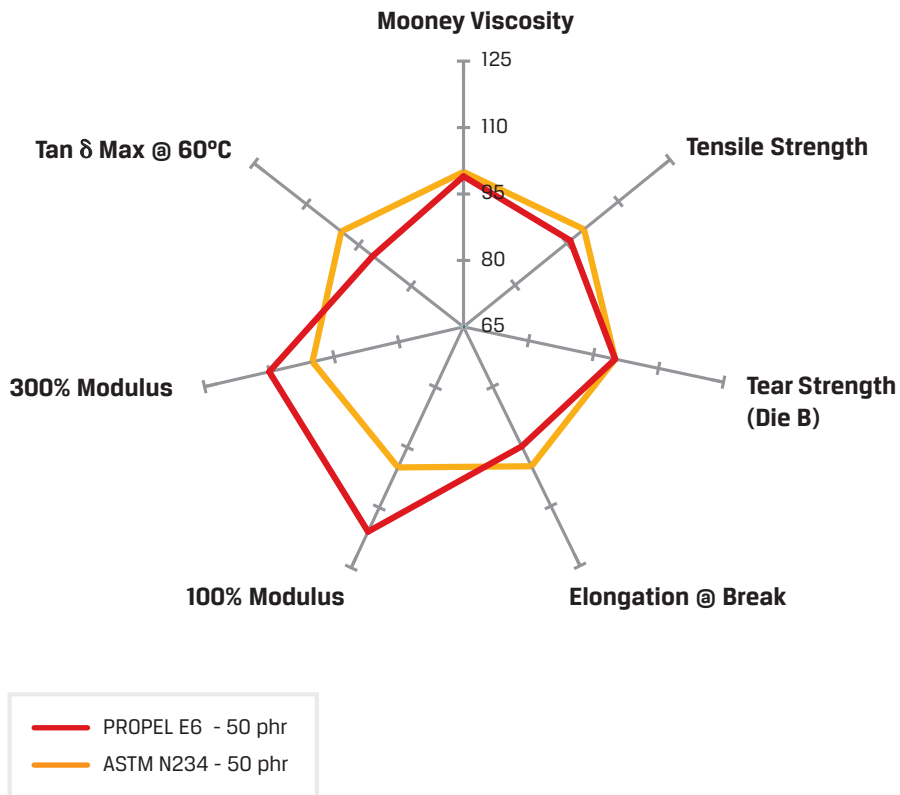
- Treads of medium and heavy commercial vehicle tires and retreads
- Treads of light commercial, SUVs and passenger car tires

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## TECHNICAL DATA

PROPEL™ E6 carbon black offers high reinforcement at lower hysteresis than ASTM N234. A phr loading adjustment can be used for optimizing the balance in stiffness, reinforcement and hysteresis.

Test Formulation: 100 NR



**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  
Sao 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

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