

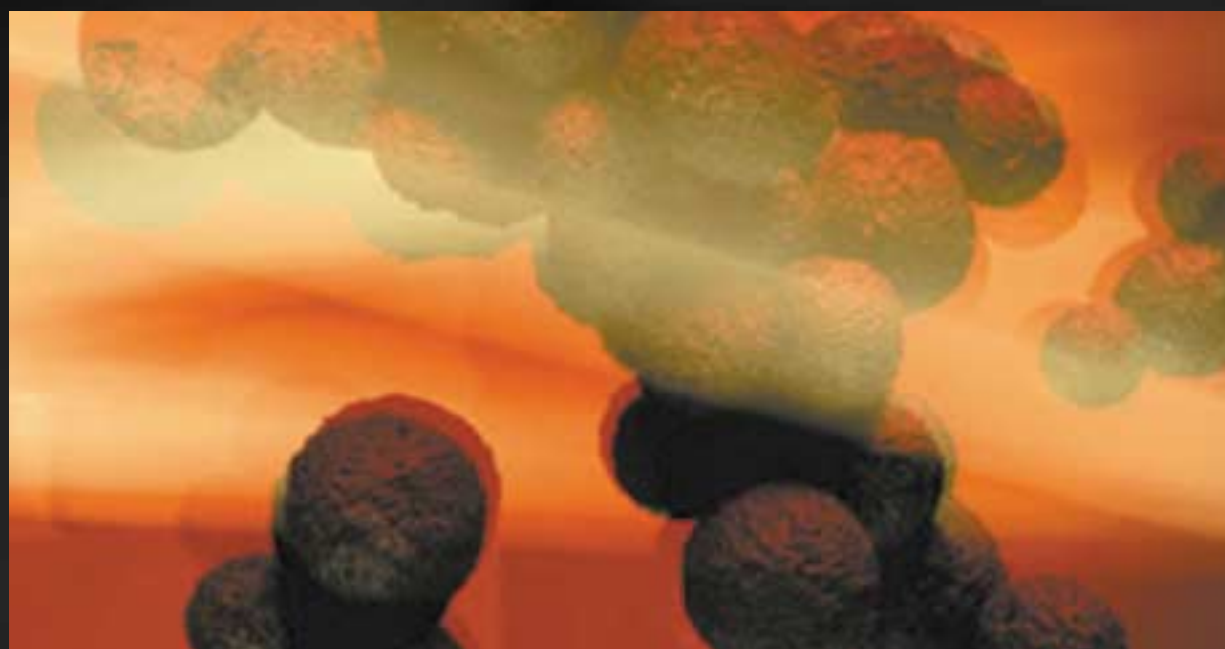
CARBON BLACK



**CABOT**

creating what matters

## **Carbon Black Selection Guide for Speciality Niche Applications**



# Performance Guide

\*\* Relative Ranking Scale of 1 - 5 applies within each Product Category.

1 = lowest/weakest performance to 5 = highest/strongest performance.

	Grade	Physical form (P = pellets F = fluffy)	Masstone	Undertone (higher = bluer)	Viscosity	Loadability	Ease of dispersion	Thermal/UV absorption
REGULAR COLOR*	BLACK PEARLS® 130	P	1	4	1	5	4	1
	BLACK PEARLS 120	P	1	4	1	5	4	1
	MONARCH® 120	F	1	4	1	5	4	1
	BLACK PEARLS 160	P	2	4	2	4	4	2
	BLACK PEARLS 170	P	2	5	3	3	5	1
	BLACK PEARLS 280	F	2	5	3	3	5	2
	MONARCH 280	F	2	5	3	3	5	2
	ELFTEX® 12	F	2	4	2	4	4	3
	REGAL® 99I	P	3	3	2	4	2	5
	REGAL 99R	F	3	3	2	4	2	5
	BLACK PEARLS 410	P	3	3	4	2	3	4
	BLACK PEARLS 420	P	3	3	4	2	3	4
	ELFTEX 5	F	3	3	4	2	4	4
	BLACK PEARLS 430	P	3	2	3	3	2	5
	REGAL 300R	F	3	2	3	3	2	5
	BLACK PEARLS 450	P	3	2	3	3	3	5
	BLACK PEARLS 460	P	3	3	4	2	3	4
	ELFTEX 8	F	4	3	4	2	4	5
	BLACK PEARLS 470	P	3	2	4	2	3	4
	BLACK PEARLS 490	P	3	2	4	2	3	4
	REGAL 330	P	4	2	3	3	1	5
	REGAL 330R	F	4	2	3	3	1	5
	BLACK PEARLS 520	P	5	1	4	2	1	5
BLACK PEARLS 570	P	5	1	5	1	1	5	

SPECIALITY COLOR*	REGAL 350	P	1	5	2	4	3	1
	REGAL 350R	F	1	5	2	4	3	1
	REGAL 250	P	3	4	2	4	2	2
	REGAL 250R	F	3	4	2	4	2	2
	BLACK PEARLS E *	P	2	5	1	5	5	1
	MOGUL® E *	F	2	5	1	5	5	1
	REGAL 400 *	P	4	3	3	3	4	5
	REGAL 400R *	F	4	3	3	3	4	5
	BLACK PEARLS L *	P	5	3	4	2	4	4
	MOGUL L *	F	5	3	4	2	4	4

MEDIUM COLOR*	REGAL 660	P	1	5	1	5	5	5
	REGAL 660R	F	1	5	1	5	5	5
	BLACK PEARLS 700	P	2	4	3	3	4	3
	MONARCH 700	F	2	4	3	3	4	3
	BLACK PEARLS 800	P	3	2	2	4	2	4
	MONARCH 800	F	3	2	2	4	2	4
	BLACK PEARLS 880	P	4	3	5	1	3	4
	MONARCH 880	F	4	3	5	1	3	4
	BLACK PEARLS 900	P	5	1	4	2	1	3
	MONARCH 900	F	5	1	4	2	1	3

SPECIALITY CONDUCTIVE*	VULCAN® 9A32	P	5	2	3	3	3	5
	VULCAN XC 305	P	1	5	1	5	5	1
	VULCAN XC 605	P	3	4	2	4	4	1
	VULCAN XC 72	P	2	1	5	1	1	2
	VULCAN XC 72R	F	2	1	5	1	1	2

\* Volatiles Content > 3.5%, all other grades < 2%

# Application Guide

Conductivity	Adhesives/ Sealants	Building products	Friction products	Natural leather dispersions	Artificial leather (PVC/PU)	Textile dispersions	Paper	Metallurgy	Power storage	Thermo insulation
1	X	XX	XX	X	X	X	X	X	X	
1	X	XX	XX	X	X	XX	X	X	X	
1	XX	XX	XX	X	X	X	X	X	X	
2	X	X	X	X	X	X	X	X	X	XX
3	X	X	X	X	X	X	X	X	X	
3	X	XX	XX	XX	XX	XX	X	X	X	X
3	XX	XX	XX	XX	XX	X	X	XX	X	X
2	XX	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	
2	X	X	X	X	X	X	XX	X	X	
4	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X
4	XX	X	X	X	X	X	X	XX	X	X
2	X	X	X	X	X	XX	X	X	XX	
2	X	X	X	X	X	X	X	X	X	
2	X	XX	XX	X	X	XX	XX	X	XX	X
3	XX	XX	XX	X	X	X	X	X	X	XX
3	XX	XX	XX	X	X	X	XX	XX	X	X
4	X	XX	XX	X	X	X	X	X	X	X
4	XX	XX	XX	X	X	X	X	X	XX	X
3	X			XX	XX	X	X	X	X	
3	X			XX	XX	X	XX	XX	XX	
4	X			X	X	X	X	X	X	X
5	XX	X	X	X	X	XX	X	X	XX	X

4				X	X	X				
4				X	X	X				
4				X	X	X				
4				X	X	X				
1				X	X	X				
1				X	X	X				
3				X	X	X				
3				X	X	X	XX			
2				X	X	X				
2				X	X	X	XX			

1	X			XX	XX	X	X			
1	X			XX	XX	X	X			
5	XX			X	X	X	XX	XX		
5	XX			X	X	X	XX	XX		
3	X			XX	XX	X	X			XX
3	X			XX	XX	X	X			XX
5	XX			XX	XX	X	XX	XX		
5	XX			XX	XX	X	XX	XX		
3				XX	XX	X				
3				XX	XX	X				

1								X	X	X
3	X						X	X	XX	X
4	X						X	X	XX	X
5									XX	X
5	X						XX		XX	X

XX = Highly recommended

X = Recommended under advice

**North America:**

Cabot Corporation  
 Business and Technical Center  
 157 Concord Road  
 Billerica, MA 01821-7001  
 USA  
 Tel.: +1 (978) 663-3455  
 Tel.: (800) 462-2313 (Technical Service)  
 Fax: +1 (978) 670-7035 (Technical Service)  
 Tel.: (800) 526-7591 (N. A. Customer Service)

**South America:**

Cabot Latin America Division  
 Av. Joao Castaldi 88  
 04517-900 Sao Paulo, SP  
 BRAZIL  
 Tel.: +55 11 5091 8300  
 Customer service:  
 Tel.: 0800 19 5859  
 Fax: +55 11 5542 6037

**Europe:**

Cabot  
 Interleuvenlaan 15 I  
 B-3001 Leuven  
 BELGIUM  
 Tel.: +32 16 39 24 00  
 Fax: +32 16 39 24 44

**Pacific/Asia:**

Cabot Specialty Chemicals, Inc.  
 Level 21 MNI Tower 2  
 11, Jalan Pinang  
 50450 Kuala Lumpur  
 MALAYSIA  
 Tel.: +60 3 2164-8352  
 Fax: +60 3 2162-0253

**Middle East/Africa:**

Cabot Specialty Chem. Inc.  
 Jebel Ali Free Zone  
 LOB 15, Office 424  
 Dubai  
 UNITED ARAB EMIRATES  
 Tel.: +971 4 8871 800  
 Fax: +971 4 8871 801

Notice and Disclaimer. The data and conclusions contained herein are based on work believed to be reliable; however, Cabot cannot and does not guarantee that similar results and/or conclusions will be obtained by others. 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. 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.

(c) Cabot Corporation, MA-U.S.A. All rights reserved 2004.

BLACK PEARLS®, MONARCH®, ELFTEX®, REGAL®, MOGUL® and VULCAN® are registered trademarks of Cabot Corporation

[www.cabot-corp.com/carbonblack](http://www.cabot-corp.com/carbonblack)

