

GRADE DATA SHEET

LFC554

<u>GENERAL DESCRIPTION AND SPHERE OF USE</u>	<u>CLASSIFICATION</u>
High-power turbine generator collector ring	natural graphite

PHYSICAL DATA

RESISTIVITY	18.00	$\mu \Omega \text{ m}$
TRANSVERSE BEND STRENGTH	5.30	MPa
BULK DENSITY	1.28	g/cm^3
SHORE HARDNESS	20.0	

Physical properties may vary from time to time as modifications are made to manufacturing techniques to maintain consistent operational behaviour; as such the values stated here are intended as a guide only.

OPERATIONAL DATA

NORMAL CURRENT DENSITY RATING	12	A/cm^2
NORMAL MAXIMUM OPERATING SPEED	81	m/s
AV. COEF. OF FRICTION	Low	
AV. VOLT DROP PER BRUSH	High	

Friction	
High	0.40 and above
Medium	0.22 to 0.40
Low	below 0.22

Contact drop	
Very high	1.7 and above
High	1.2 to 1.7
Medium	0.6-1.2
Low	below 0.6

All figures quoted are typical test values obtained in our laboratories and are for guidance only.

**YUEQING WENLI CARBON PRODUCTS FACTORY**

ADD:Tang'aoyu Village Industrial Zone, Liushi Town, Yueqing City, Zhejiang Province, China