

GRADE DATA SHEET



634



Industrial

GENERAL DESCRIPTION AND SPHERE OF USE	CLASSIFICATION
Widely used on high speed Turbo Alternator sets	Natural Graphite

PHYSICAL DATA

RESISTIVITY	18.00	μΩm	7.09	10 ⁻⁴ Ω in
TRANSVERSE BEND STRENGTH	6.0	MPa	880	lbf/in²
BULK DENSITY	1.28	g/cm³	80	lb/ft³
SHORE HARDNESS	16.0			

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	Commutators		A/cm ²		A/in²
	Rings	10.0	A/cm²	65	A/in²
NORMAL MAXIMUM OPERATING SPEED		100	m/s	19690	ft/min
NORMAL RECOMMENDED PRESSURE		140 - 180	g/cm²	2.0 - 2.6	lbf/in²
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	

Morgan Materials Hungary Ltd. 1106 . Budapest . Csillavirág u. 7. tel: +36-1-265 2206 . fax: +36-1-265 1219

morganhungary@morganplc.com EU-AT No: HU 10345577 Registration No: 01-09-065979

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.

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Company accreditations