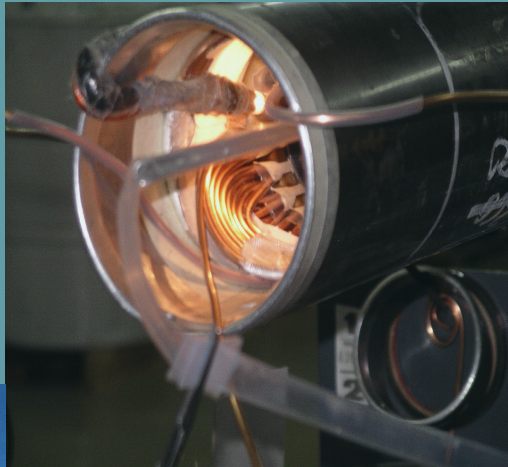




Harbour

INDUSTRIES
High Performance Wire & Cable



MAGNET WIRE FOR ESP MOTORS

*HARTREX™ (PEEK™)
POLYIMIDE TAPE WRAP*

240°C Normal Operating Temperature
Polyimide Tape Wrap

AWG	Insulation (Mils)	OD (inches)	Weight/Mft (lbs)
2	6	.2696	204
4	6	.2163	129
6	6	.1740	82
7	6	.1563	65
7½	6	.1482	58
8	6	.1405	52
8½	6	.1333	46
9	6	.1264	41
9½	6	.1200	37
10	6	.1139	33
10½	6	.1082	29
11	6	.1027	26
11½	6	.0976	23
12	6	.0928	21
13	6	.0840	17
14	6	.0761	13

260°C Normal Operating Temperature
HARTREX™
(PEEK™) Polyaryletheretherketone

AWG	Insulation (Mils)	OD (inches)	Weight/Mft (lbs)
6	7	.1760	81
7	7	.1583	65
7½	7	.1502	58
8	7	.1425	52
8½	7	.1353	46
9	7	.1284	41
9½	7	.1220	37
10	7	.1159	33
10½	7	.1102	29
11	7	.1047	26
11½	7	.0996	23
12	7	.0948	21
13	7	.0860	17
14	7	.0781	13

	Kapton™ (150FWN019)	HARTREX™
Mechanical		
Tensile Strength	17,300 PSI	14,000 PSI
Tensile Modulus	170,000 PSI	507,000 PSI
Elongation to break	55%	65%
Specific gravity	1.68	1.30
Electrical		
Dielectric Strength (Volts/mils)	3,600 (142 Kv/mm) Made on a .0015" film	4,826 (190 Kv/mm) Made on a .002" film
Dielectric Constant	3.0 (1 Khz)	3.2 (50 hz)
Chemical		
Moisture Absorbtion (24hrs in water)	<2.2% (polyimide only)	0.5%
Thermal		
Continuous Use Temperature	240°C (NEMA)	260° (UL746B)

