



LIGHTWEIGHT, ULTRA-STRONG, & NON CORROSIVE COMPOSITE REINFORCING BAR

LIGHTER.

ALMOST 4X LIGHTER THAN COMPARABLE DIAMETER STEEL REBAR FOR EASIER AND SAFER TRANSPORT, LOADING, AND INSTALLATION

STRONGER.

GREATER TENSILE STRENGTH THAN STEEL REBAR. GREAT FOR SLAB CURLING & FLEXING

TOUGHER.

RESISTANT TO ALKALIES, ACIDS, AND DOES NOT RUST. AVOID CRACKING AND DESTRUCTION IN CONCRETE CAUSED BY STEEL CORROSION

	ASTM	KARBON BAR			STEEL REBAR		
		8MM	#3 (10mm)	#4 (13mm)	#3 (10mm)	#4 (13mm)	#5 (16mm)
WEIGHT		1.5 LBS per 20' 0.075 lb/linear ft	2.4 LBS per 20' 0.12 lb/linear ft	4.1 LBS per 20' 0.205 lb/linear ft	7.52 LBS per 20' 0.376 lb/linear ft	13.36 LBS 0.668 lb/linear ft	20.86 LBS 1.043 lb/linear ft
TENSILE STRENGTH	D7205	164 ksi	187 ksi	174 ksi	60 ksi	60 ksi	60 ksi
MAXIMUM BOND STRENGTH TO CONCRETE	D7913	1.4 ksi	1.6 ksi	1.6 ksi	-	1.45 ksi	-
SHEAR STRENGTH	D7617	28 ksi	28 ksi	36 ksi	60 ksi	60 ksi	60 ksi

*TESTED AT THE UNIVERSITY OF MIAMI STRUCTURES AND MATERIALS LABORATORY. TEST RESULTS AVAILABLE UPON REQUEST.

KARBON BAR MEETS PHYSICAL AND MECHANICAL PROPERTIES PER ASTM D7957

- AVAILABLE IN 3 DIAMETERS IN 20' LENGTHS - 8mm, #3, AND #4
- LONGER WORKING LIFESPAN
- LIGHTER WEIGHT = LOWER DELIVERY, HANDLING, AND INSTALLATION COSTS
- NO THERMAL CONDUCTIVITY
- NO ELECTROMAGNETIC INTERFERENCE
- TIES AND OVERLAPS THE SAME AS STEEL
- INSTALLS MORE QUICKLY, EASILY, AND MORE SAFELY THAN STEEL
- QUICKER AND EASIER TO CUT IN THE FIELD WITH ANY CIRCULAR SAW, RECIPROCAL SAW, OR GRINDER (NO SPECIAL TOOLS NEEDED)
- NEVER RUSTS OR CORRODES, GREAT FOR AGRICULTURAL, STORAGE FACILITIES, SALT WATER APPLICATIONS & MORE

