



## TECHNICAL PUBLICATION FOR: 10-X02 SERIES WAX TREATED GRAPHITE ANODE

### ACC 10-302, 10-304, 10-305, 10-402, 10-404 and 10-405

American Carbon Company manufactures wax treated graphite anodes as a solution for many different installation environments. Wax treated anodes are recommended for deep anode ground beds and other applications where the surrounding soils are moist.

ACC graphite rods are pressure wax impregnated under heat and pressure using a paraffin wax to yield a product with no detectable porosity as compared to a typical porosity of 22% for normal graphite rods. Such treatment lasts for a minimum of 36 hours for 3" diameter rods and 48 hours for 4" diameter rods. After treatment each rod is OD machined to remove wax drops and surface build-up providing a smooth straight finish ideal for deep down hole applications.

All anodes are constructed, inspected, and verified in accordance with American Carbon Company's ISO9001:2008 Quality Assurance Program. Learn more about ACC graphite anodes at [www.amcarbon.com](http://www.amcarbon.com).

### STANDARD SIZES FOR ANODES

Series	Dimensions	Connection Type	Weight (lbs)	Surface Area (ft)
10-302	3" diameter x 60"	End	27.00	4.025
10-304	3" diameter x 60"	Center 20 mm x 30" deep	25.85	4.025
10-305	3" diameter x 60"	Center 25 mm x 30" deep	25.50	4.025
10-402	4" diameter x 80"	End	71.00	7.156
10-404	4" diameter x 80"	Center 20 mm x 40" deep	69.30	7.156
10-405	4" diameter x 80"	Center 25 mm x 40" deep	68.80	7.156

### TECHNICAL INFORMATION

Characteristic	Data
Density	≥ 1.80 g/cc
Flexural Strength	≥ 2,200 psi
Resistivity	≤ 0.0003 ohm/in
Purity	99.9% Carbon
Porosity	≤ 0.1%
Tolerance (OD)	+1/4, -0
Tolerance (L)	+1, -0
Tolerance (Bowing)	≤ 0.31"
Tolerance (Pitting)	≤ 0.125"
Ash (%)	≤ 0.20%

#### CONTACT INFO:

P (877) 882-4455  
F (713) 513-5799  
SALES@AMCARBON.COM

AMERICAN CARBON COMPANY  
P.O. BOX 88045  
MILWAUKEE, WI. 53228