

Specification and Technical Data for the Qwikmount II by Comsite Hardware

General

CLASSIFICATION	NOMINAL VALUE
Name	Qwikmount II
Manufacturer	Comsite Hardware, Inc.
Use	Antenna support
Configuration	Single mast with water ballasted base
Accessories	Mounts for multiple antenna mounting
Mast size	1-1/4" pipe (1.66" O.D.) X 5 feet - 6061 T6 aluminum
Ballast Tank	High Density PolyEthylene (HDPE) material
Ballast	22 Gallons of Water (with anti-freeze additive in cold climates)
Weight of base with ballast	209 lbs
Imparted load	23 psf
Maximum overturning moment	258 ft/lbs.
Antenna loading @ 5 ft. and 70 mph	1.25 sq ft equivalent flat plate area (UBC)
Area of tank	42" circle

TANK

General notes: Paxon 7004 is a UV-Stabilized, 35 mesh, HDPE intended for use in rotational molding. Properly molded parts exhibit excellent impact strength, tear strength, tensile creep resistance, as well as exceptional stress crack resistance.

CLASSIFICATION	NOMINAL VALUE
Material	<i>Paxon 7004 Polyethelyene</i>
Manufacturer	Comsite Hardware, Inc.
Method of manufacture	Rotomolding
Color	Black
Thickness	0.188 inches
Density	.944g/cm ³
Tensile strength at yield	3000 psi
Elongation at break	400%
Tensile modulus of elasticity	80,000 psi
Flexural modulus	100,000 psi
Heat deflection temperature (66 psi load)	138 degrees F.
Vicat softening temperature	248 degrees F.
Impact brittleness temperature	< -180 degrees F.
Dart Impact (-40 degrees C.)	60 ft.lb.
Environmental stress crack resistance	> 1000 hrs (ASTM D1693-70 test)

MAST

CLASSIFICATION	NOMINAL VALUE
Material	Aluminum
Alloy	6061-T6
Manufacturer	Various
Yield strength (compression)	35 ksi
Yield strength (tension)	35 ksi

Mount shall consist of a water ballasted base and an aluminum mast capable of resisting the overturning moment imparted by the antennas. The mount shall not apply more than 23 psf to the underlying structure. The base and mast of the mount shall be easily transported by one individual in a standard elevator. The base shall consist of a tank capable of holding an amount of water sufficient to ballast the entire structure. Mount shall be equal to the "Qwikmount II" by Comsite Hardware.