



CUMING MICROWAVE

C-STOCK HCN

RoHS
Compliant

TECHNICAL BULLETIN 210-7

FLEXIBLE, WEATHERPROOF LOW-SIGNATURE PLASTIC FABRIC

C-STOCK HCN is a thin, flexible, waterproof and UV-resistant plastic sheet stock with excellent electrical and mechanical properties.

The material is made from nylon fabric sealed with a Polychloroprene-like elastomeric binder. It is often used to cover radar absorber and dielectric materials to impart weatherproof qualities. The resulting surface is neat in appearance and is easy to keep clean.

TYPICAL PROPERTIES

Color: White
Weight: 16 oz/yd²
Thickness: 0.031 inch
Maximum width: 60 inches
Dielectric Constant: 3.5 at 10 GHz
Dissipation Factor: 0.015 at 10 GHz

INSTRUCTIONS FOR USE

C-STOCK HCN can be easily cut to shape with scissors or a sharp knife. It is applied to substrates or to itself using a chloroprene based contact adhesive such as C-BOND 287. The material will drape easily, but does not readily stretch. A tape cut from C-STOCK HCN is useful in sealing cut edges of radar absorber. Properly sealed, packages of C-STOCK HCN will survive outdoor exposure for indefinite periods. Experimentation is recommended to ensure that the covering will not affect electrical performance.

AVAILABILITY

C-STOCK HCN is available by special order only. It is available up to 60 inches wide and can be provided in cut sheets or on rolls.

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