

SECTION 2.10 RESILIENT TRACK COMPONENTS

This section presents recommendations for testing of resilient, or elastic, elements for use in the railway track.

2.10.1 UNDER TIE PADS

2.10.1.1 Static Bedding Modulus

a. Test Purpose:

Determine the bedding modulus (also referred to as vertical stiffness) of an under tie pad (UTP)

b. Test Frequency:

Initial qualification and routine testing required. Routine testing frequency shall be agreed upon between supplier and client.

c. Test Procedure/Setup:

- (1) Samples: Three (3) samples of the UTP material shall be tested for initial product qualification. Number of samples for routine testing shall be agreed upon between supplier and customer. Samples should be 10 in. x 10 in. with $\pm\frac{1}{8}$ in. tolerance. If a UTP concrete block is used, this shall be 4 in. thick made of reinforced concrete and of the same dimensions as the UTP sample cast onto it. Surface flatness, measured diagonally on the block across 10 in., shall be no more than 0.01 in. Samples shall be clean, free of oil contamination and damages.

Draft Not Yet Approved