

Geneerco Phenoglass Laminated Sheets

1. Background

General Veneer Manufacturing Co. has been supplying lightweight materials and products to the aircraft and aerospace industry for over 50 years. With the advent of the wide body commercial airplane, new materials were required to meet their specific needs. We were among the first to use these new materials in production and have continued to develop new configurations.

2. Product Introduction

Geneerco Phenoglass are laminated sheets composed of layers of phenolic impregnated glass fabric. Phenoglass laminates have been used for the manufacture of structural aircraft parts as stand alone components or as a facing material for sandwich structures.

General Veneer Manufacturing Co. is an approved supplier and is listed on the qualified products list for both DMS1558 and DMS1556.

3. Type Identification

Geneerco Phenoglass LS is a low smoke laminate with excellent paintability properties. LS Phenoglass has an average flexural strength of 50,000 psi when tested at room temperature in accordance with Federal Test Method Standard No. 406, method 1031.

Geneerco Phenoglass 56-1 is a heat resistant laminate that exhibits the same room temperature properties as LS Phenoglass. In addition to these properties, 56-1 Phenoglass has average flexural strengths of 40,000 psi when aged for 1/2 hour at 500°F and 20,000 psi when aged for 100 hours at 500°F.

Geneerco Phenoglass products are available in a variety of thicknesses, shapes and sizes, with thickness ranges of .010 inch and greater, maximum widths of 72 inches, maximum lengths of 192 inches. We are confident we can supply a laminate to fulfill your requirements.