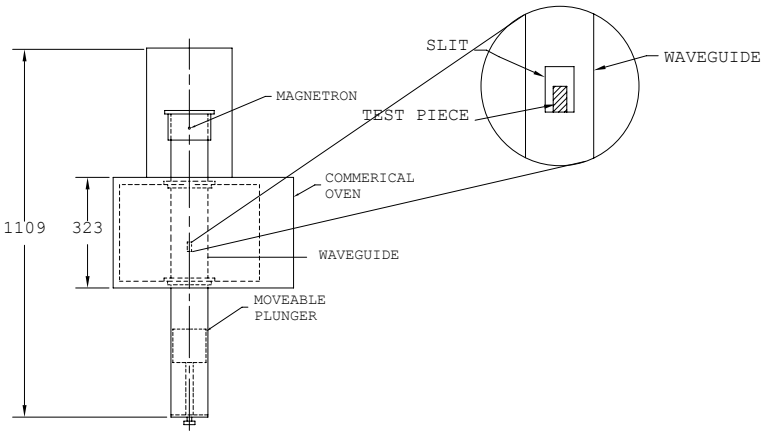

Fig. 1 : Microwave Facilities Configuration

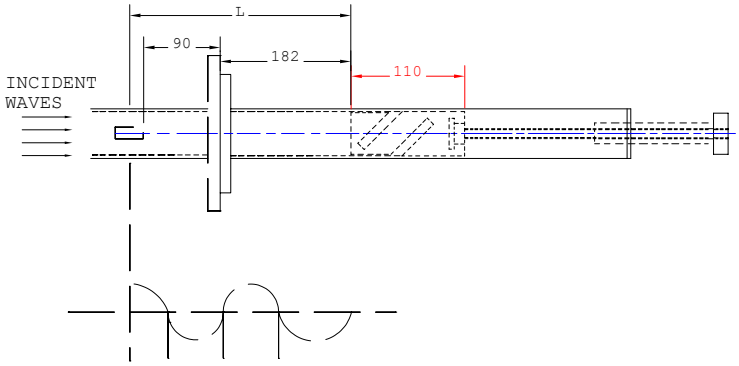

Fig. 2 : Stationary Wave in Waveguide

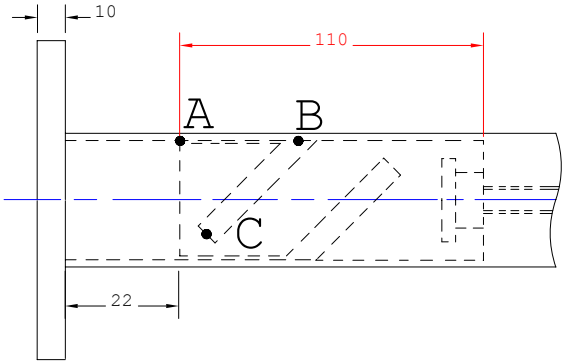

Fig. 3 : The Moveable Plunger

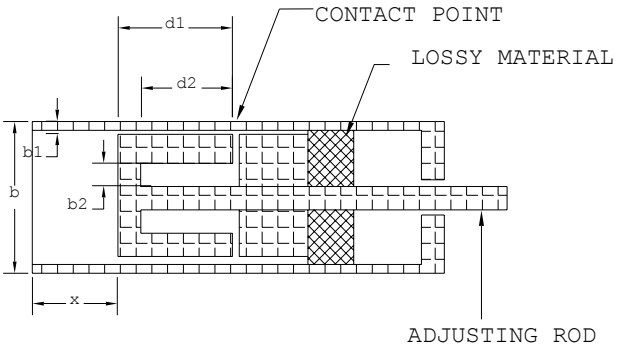

Fig. 4: Non-contact Type Adjustable Short Circuit in Waveguide

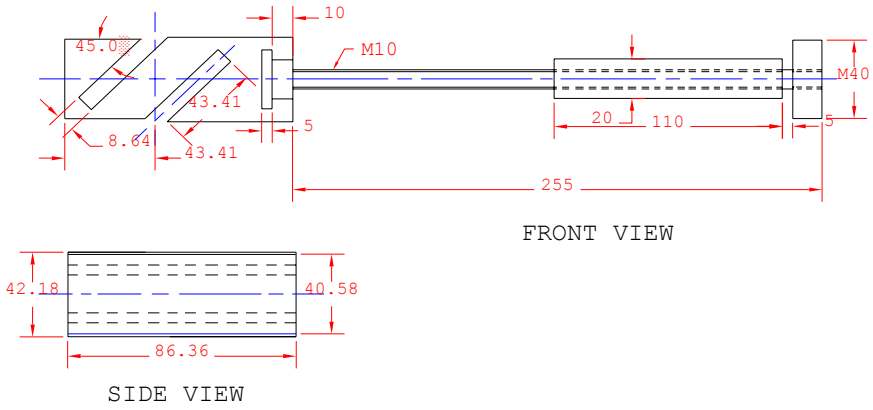

Fig. 5 : Dimensions of the Moveable Plunger

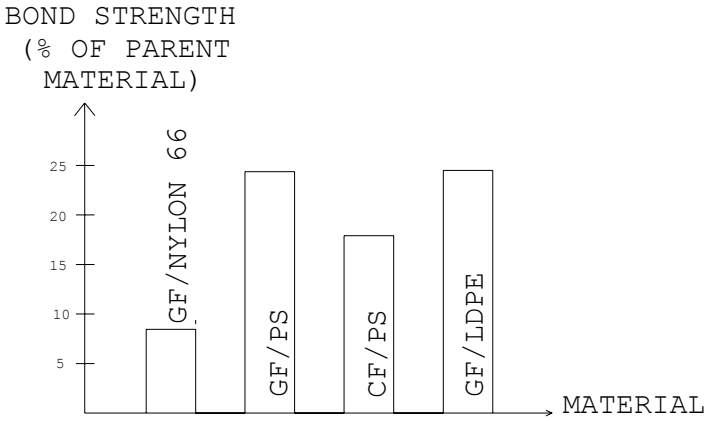

Fig. 6 : Bond Strength of Welds by Butt Joints

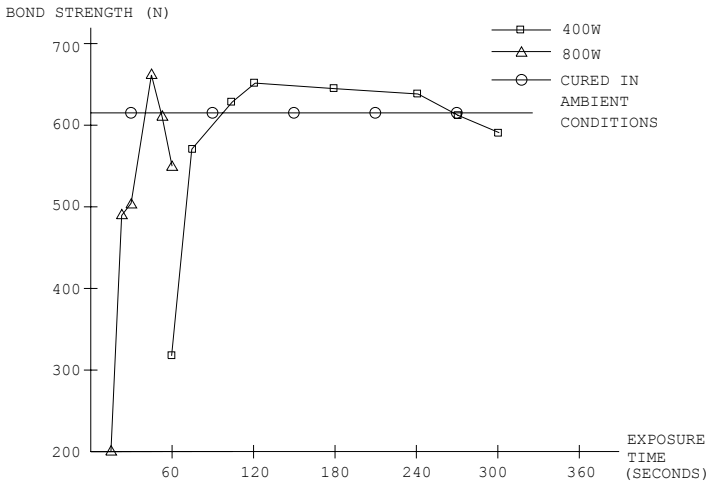

Fig. 7 : Bond Strengths of GF/PS and Five Minute Two Part Adhesive

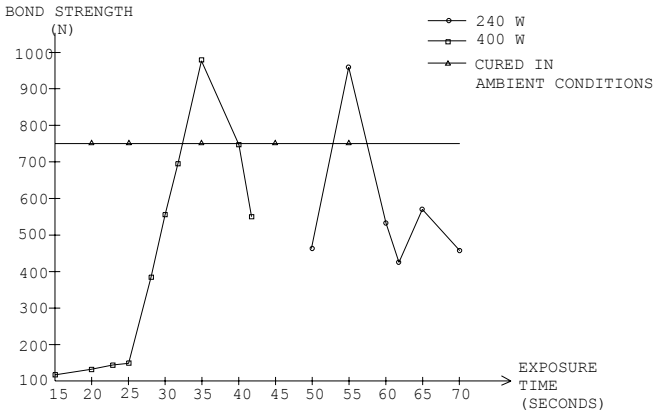

Fig. 8 : Bond Strengths of GF/Nylon 66 and Five Minute Two Part Adhesive

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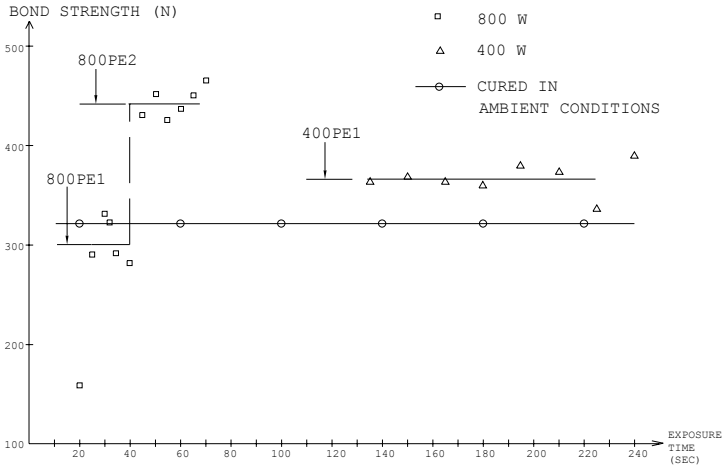

Fig. 9 : Bond Strengths of GF/LDPE and Five Minute Two Part Adhesive

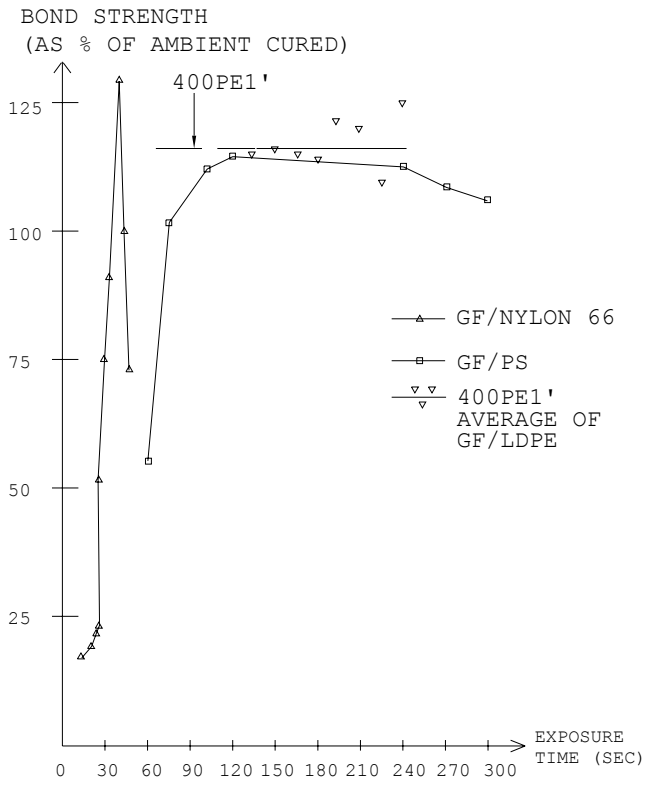

Fig. 13 : Bond Strengths of Three Types of Materials at 400 W

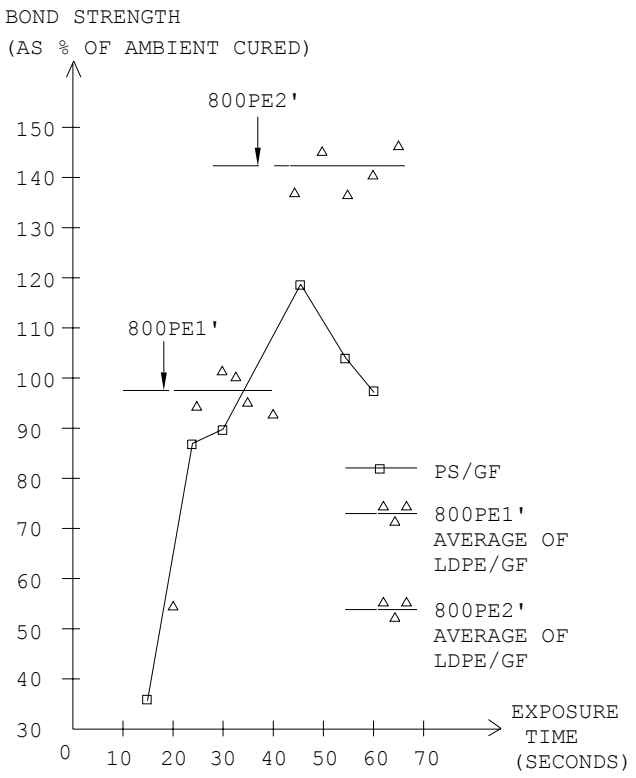

Fig. 14: Bond Strengths of Two Types Materials at 800 W

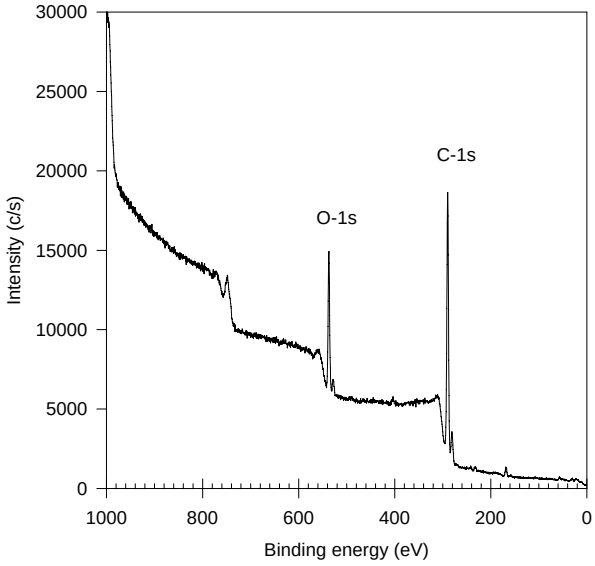

Figure 15 : The O and C Atom Intensities against Binding Energy of LDPE/GF(33%).

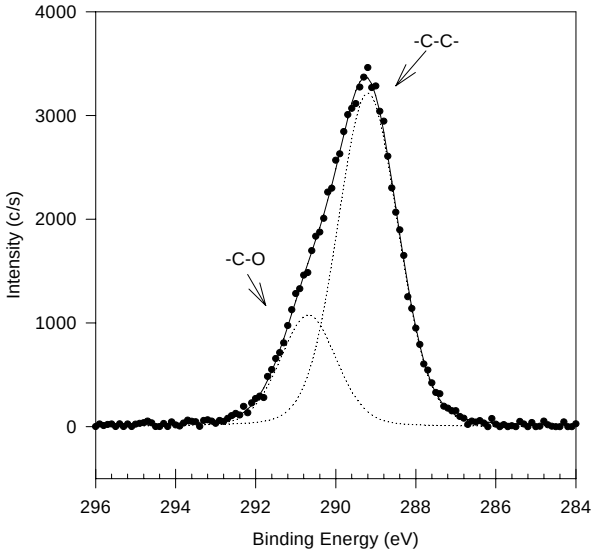

Figure 16 : The -C-C- and -C-O Bond Intensities against Binding Energy of LDPE/GF(33%)

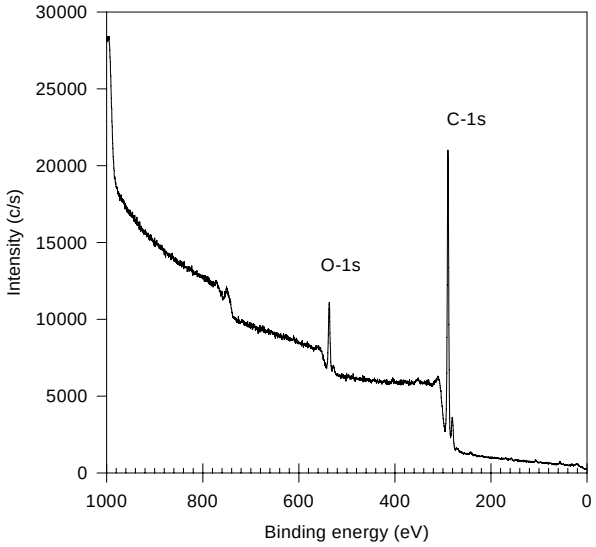

Figure 17 : The O and C Atom Intensities against Binding Energy of Araldite on Glass.

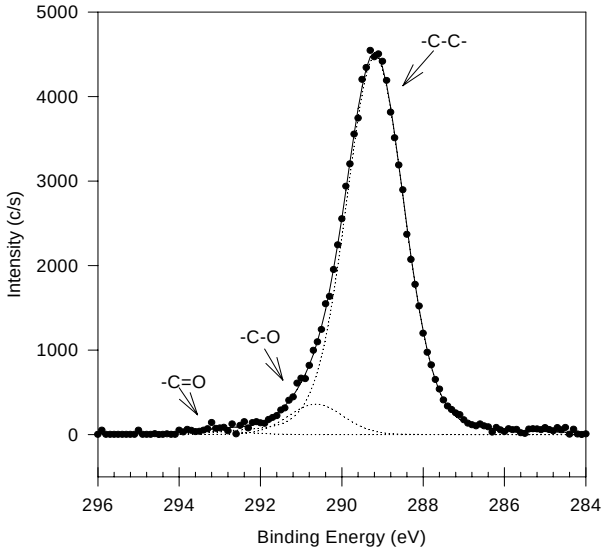

Figure 18 : The -C-C-, -C-O and –C=O Bond Intensities against Binding Energy of Araldite.

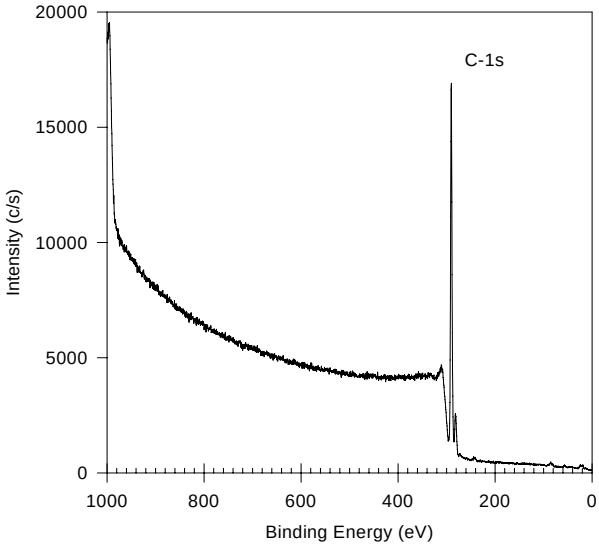

Figure 19: The C Atom Intensity against Binding Energy of LDPE.

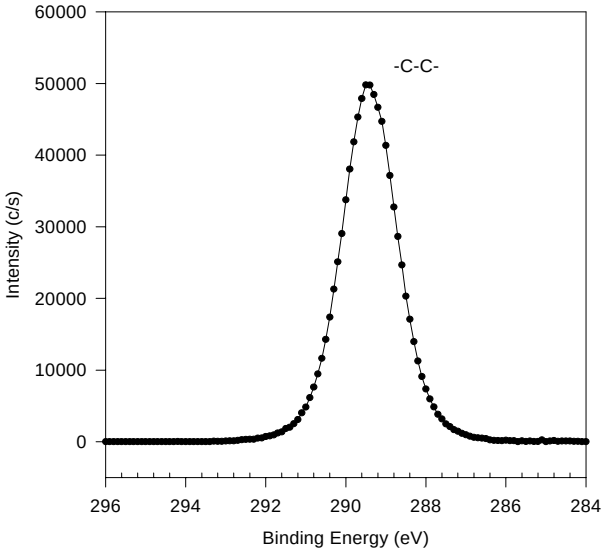

Figure 20: The -C-C- Bond Intensity against Binding Energy of LDPE.