

**GOVERNMENT OF INDIA  
MINISTRY OF DEFENCE  
RESEARCH AND DEVELOPMENT ORGANISATION  
DIRECTORATE OF AERONAUTICS(R&D)**

**TYPE APPROVAL No : 613**

**ISSUED TO** : M/s HAL, NASIK DIVISION,  
OJHAR TOWNSHIP, NASIK - 422 207

**FOR** : RUBBER COMPOUND HA-4501

**CO-ORDINATED BY** : RCMA (NASIK)

This is to certify that Rubber Compound HA-4501 manufactured/ developed by M/s.HAL, Nasik has been tested as per schedule drawn by Directorate of Aeronautics vide CRE(N)/16085 dated 9.8.90 and found suitable as a substitute for USSR Grade Rubber Compound M-II for manufacture of aircraft components. The type record is placed as Appendix 'A'.

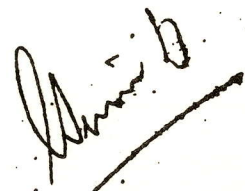
2. Basis for Approval :

- a) Satisfactory confirmity of test results to the requirement laid down in the appendix.
- b) Satisfactory compliance of fabrication of parts.

3. The approval Serial No. quoted above must be reflected in all relevant drawings, Contract and release notes.

4. This approval is contingent upon the Quality Control aspects of bulk production being cleared by DTD&P(Air), Ministry of Defence, NEW DELHI.

5. Prior agreement of Directorate of Aeronautics will have to be obtained if this approval is to be transferred to any other agency or if changes within the Type Record are effected.



Encl : Appendix 'A'

No. : AERO/RD-132/106/3

Date : 4th Apr 1991

(K.SRINIVASA)  
Director of Aeronautics