

# POLYCARBONATE VISORS FOR THE AIRCREW HELMET

## INTRODUCTION:

DEBEL has successfully designed & developed Integrated Helmets meeting Mil requirements to protect the pilots against head concussions and head injuries. The visor being an integral part of the aircrew helmet, protect the face and eyes against potential hazards like bird hit debris, wind blast, solar glare, splinters from canopy detonation, etc. Until recent past, all these Integrated Helmets were fitted with acrylic visors which do not meet the stringent specifications of military. The visors are made out of Polycarbonate material meeting optical and mechanical properties of ASTM standard. The polycarbonate visors (inner, clear and Outer tinted) has successfully withstood the wind blast test of 600 KEAS experienced during ejection.

## SALIENT FEATURES



PC- Clear Visor



PC- Tinted Visor



PC Visor Fitted on Aircrew Helmet

The Military grade aviation visors both Clear and Tinted have been developed by DEBEL for the first time in India. They have met all optical, mechanical and functional requirements. The mechanical strength for withstanding the 600 Knots of wind blast has been proved by testing them both in the wind tunnel and at the Open Jet Wind Blast Test Facility. They have met the Ballistic Resistance requirements of Mil Standard also. IAF has accepted the item after extensive user trials.