

# Adbond EPP-352 I

ADBOND EPP 3521 is a rubber based adhesive system developed for mounting various electronic systems to the structural elements. It is having very good thermal conductivity with good electrical insulation property and also possess very low out gassing characteristics.

This is an elastomer modified epoxy system consisting of insulative oxide filler in high concentration with silane coupling agent to provide electrical insulation and thermal conductivity.

ADBOND EPP 3521 will find usage in electric/ electronic gadgets manufacturing areas where potting/ bonding with good thermal dissipation and electrical insulation are warranted.

## Technology Transfer from ISRO

ISRO is willing to offer the knowhow of this technology to suitable entrepreneurs / industries in India. Capable manufacturing industries interested in acquiring this knowhow may write with details of their present activities, requirements and plans for implementation, infrastructure and technical expertise available with them, their own market assessment, if any, and plans for diversification to the address given below:

## Typical Properties / Characteristics:

PRoPeRtY	
Color & consistency	Black & pasty
Viscosity of the resin (ps)	700 to 8000
Sp. Gravity	1.8
Hardness (Shore D)	
Lap shear strength (ksc) on Alumina at RT	> 80
Thermal conductivity (cal/cm/C/s)	$1.04 \times 10^{-3}$
Volume Resistivity (ohm-cm)	$1.5 \times 10^{13}$
Out gassing - TML (%) - CVCM (%)	< 1 $\leq 0.1$
Cure	Ambient
Pot Life (min.)	45
Service temperature	223 K to 338 K