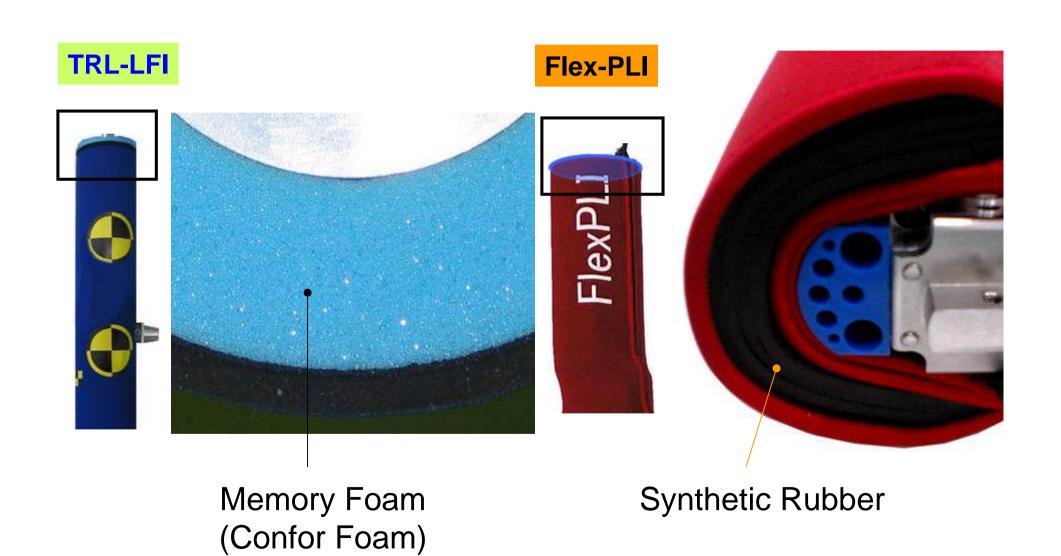
# Flesh part sensitivities to the atmosphere (TRL vs. Flex)

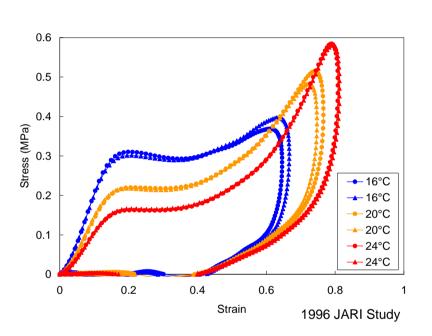
The Japan Automobile Manufacturers Association Inc. Vehicle Safety subcommittee and Pedestrian Safety WG

## Differences of Flesh Material



# **TRL-LFI**

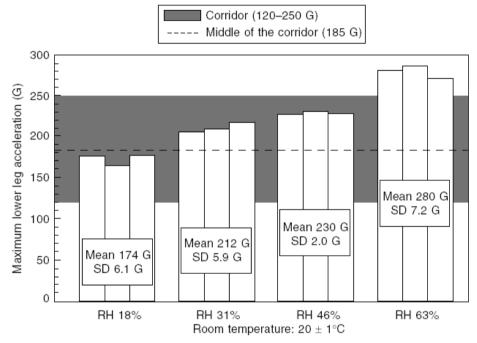
#### **Temperature**



Temperature Sensitivity of Stress-Strain Curve of the "Memory foam" Compression

⇒High Sensitivity
But not so difficult to control

## **Humidity**

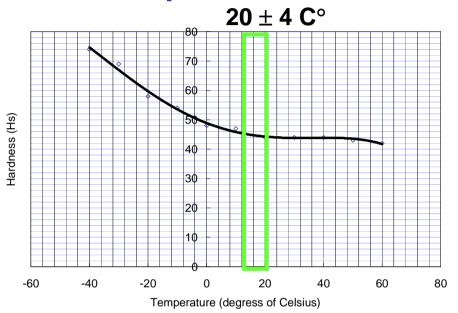


Humidity Sensitivity of Maximum Acceleration from Dynamic Certification Tests

⇒High Sensitivity Difficult to control

# Flex-PLI

#### **Temperature**

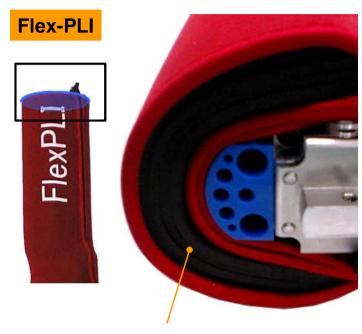


Martial Company Data

Temperature Sensitivity of Hardness (Hs) of the Flesh of Flex-PLI, Synthetic Rubber, Compression

⇒Low Sensitivity

## **Humidity**



Synthetic Rubber

Humidity does not affect to the Hardness of the Synthetic Rubber, Material Company Information

⇒Low Sensitivity

No need to control