

# HUAT RUBBER PRODUCTS PTE . LTD

## TECHNICAL- DATA SHEET

**MATERIAL GRADE :** DAI-EL (752)

**MATERIAL :** Fluoroelastomer (Viton)

**APPLICATIONS :** Oil, chemical, heat resistant, suitable for O ring ,gasket , butterfly valve etc.

| <u>ORIGINAL PHYSICAL PROPERTIES</u>                  | <u>SPECIFICATION</u> |
|--|----------------------|
| HARDNESS,SHORE A                                     | 75±5                 |
| TENSILE STRENGTH,PSI                                 | 1800                 |
| ELONGATION,%   | 180                  |
| SPECIFIC GRAVITY                                     | 2.03                 |
| <b><u>COMPRESSION SET – 70 HOURS 75°F(25°C)</u></b>  |                      |
| % OF ORIGINAL DEFLECTION                             |                      |
| UNDER 0.100" CROSS –SECTION                          | 10.1                 |
| OVER 0.100" CROSS –SECTION                           | 6.5                  |
| <b><u>AIR AGING – 70 HRS 528°F(275°C)</u></b>        |                      |
| HARDNESS CHANGE                                      | +1                   |
| TENSILE STRENGTH CHANGE %                            | -14                  |
| ELONGATION CHANGE %                                  | -11                  |
| WEIGHT LOSS %  | -3.5                 |
| <b><u>COMPRESSION SET – 166 HRS 347°F(175°C)</u></b> |                      |
| % OF ORIGINAL DEFLECTION                             |                      |
| UNDER 0.100" CROSS –SECTION                          | 16.5                 |
| OVER 0.100" CROSS –SECTION                           | 11.7                 |
| <b><u>COMPRESSION SET – 22 HRS 392°F(200°C)</u></b>  |                      |
| % OF ORIGINAL DEFLECTION                             |                      |
| UNDER 0.100" CROSS –SECTION                          | 13.0                 |
| <b><u>TEMPERATURE RANGE</u></b>                      | -40°C-- +204°C       |

### **Note**

All statement, technical data and recommendations herein are based on laboratory tests which are believed to be reliable, but do not constitute a guarantee or warranty. Customer are encouraged to conduct their own test under actual and storage conditions to determine the suitability of these products for their particular application.