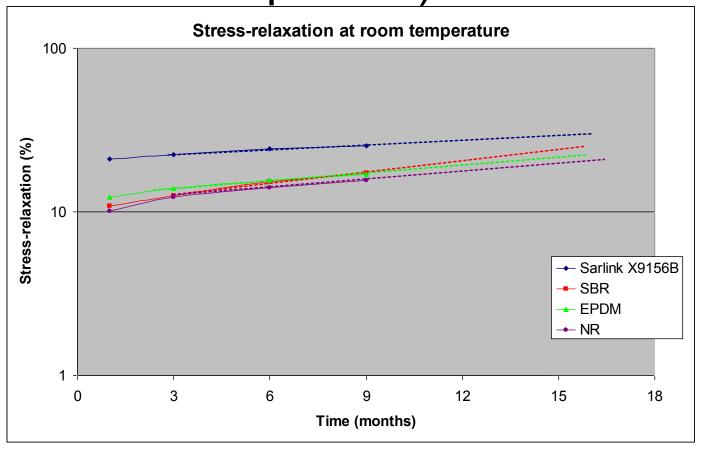
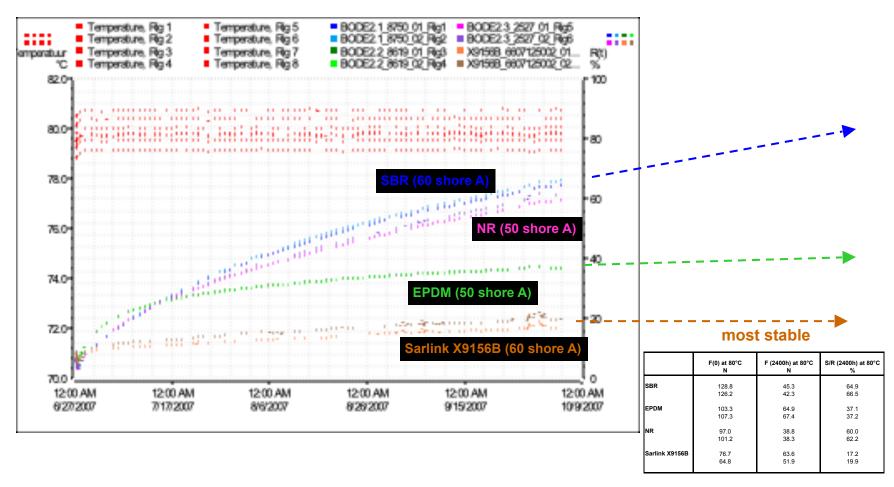
# Stress-relaxation for TPV Materials

## Long term stress-relaxation (to be updated)



#### Stress-relaxation data at 80°C

#### **Measured at DADC**



### Stress relaxation

What happens in the material:

physical relaxation, thermal and oxidative degradation, continued cross linking

physical stress relaxation at low temperatures  $\log P(t)/P(0) = -C \cdot \log(t)$  chemical stress relaxation at higher temperatures  $P(t)/P(0) = SUM \left\{A_i \cdot e^{-K(i).t}\right\}$ 

TPV: mainly physical stress relaxation over broad temperature range