

APPLICATION SHEET

Elastomers – DMA EPLEXOR®

Fatigue Test on Elastomer Systems

Mechanical Aging by Continuous Vibration Testing

Displayed is the line shape of the complex modulus E^* and the loss factor $\tan \delta$ during a fatigue test (continuous vibration test). In this case, a dynamic test on a shear sample was carried out. The sample was dynamically loaded with

35 Hz at a test temperature of 60°C (total cycles: more than 1.5 mio).

Due to the high force and amplitude range of the EPLEXOR®, materials can be dynamically stressed even in the low-temperature region.

