## Characterization of Elastomers by Heat Aging at 200°C in Circulating Air

| Aging Period | Kind of Change | Rubber Polymer |
|---|---|---|
| ½ hour | Molten | Thermoplastic elastomers |
| | Softening and decomposition (smell of rotten eggs) | T |
| 4 hours | Excessive hardening, cracky or brittle | NR, SBR, NBR, CR |
| | Softening and tacky surface | IIR, BIIR, CIIR, GPO, AU, EU |
| | Slight change in hardness or minute surface cracks | High-performance NBR or CR, HNBR, EPM, EPDM, CM, CSM, CO, ECO |
| | No change | ACM, AEM, FPM, FFKM, VMQ, PVMQ, FMQ |
| 24 hours | Excessive hardening, cracky or brittle | High-performance NBR or CR, HNBR, EPM, EPDM, CM, CSM, CO, ECO |
| | Excessive softening, kneadable or crumbly, smeary surface | CO, ECO, GPO |
| | Excessive softening, tacky or smeary surface, not kneadable or crumbly | IIR, BIIR, CIIR, AU, EU |
| | Hardly any change | ACM, AEM, FPM, FFKM, VMQ, PVMQ, FMQ |