Table 3: Hardness values of the as-received material, crack-free, surface cracked, and martensite-plate cracked samples.

|  |  |
| --- | --- |
| Sample | HV30 |
| As-received | 193±2 |
| Control (standard heat-treatment) | 794±5 |
| Surface cracked (SC) | 742±9 |
| Martensite-plate cracked (MPC) | 770±8 |