**Table 1:** Summary of PV parameters: Short circuit current densities (*J*SC), open circuit voltage (*V*OC), fill factor (*FF*), power conversion efficiency (PCE).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***J*sc (mA/cm²)** | ***V*oc (V)** | ***FF*** | **PCE (%)** |
| **As-cast** | 6.51 | 0.60 | 0.58 | 2.26 |
| **50°C** | 6.87 | 0.58 | 0.61 | 2.42 |
| **75°C** | 8.14 | 0.52 | 0.61 | 2.60 |
| **100°C** | 9.70 | 0.49 | 0.60 | 2.84 |
| **125°C** | 10.67 | 0.48 | 0.59 | 3.00 |
| **150°C** | 11.62 | 0.57 | 0.58 | 3.84 |
| **175°C** | 10.46 | 0.62 | 0.55 | 3.56 |