Table 2: Maximum shear stress, τmax, acting at ±45° with respect to the surface, and orthogonal shear stress τxz,max, acting parallel and normal to surface, subsurface shear stresses and their depths, for a circular contact. The values assume frictionless and elastic Hertzian contact at 3.5 GPa [24].

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type of contact | *τmax* | | *τxz,max* | |
| GPa | Depth / µm | GPa | Depth / µm |
| Circular (2D) | 1.09 | 190 | 0.88 | 99 |