Table 3- Composition of the restorative materials

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Group** | **Particle type and size** | **% volume/Volume weight** | **Organic Matrix** | **Classification** |
| G1 | 0,6 µm  Zircony and Silica | 83,0% in weight  61% in volume | Bis-GMA, UDMA, Bis-EMA | Micro-hybrid |
| G2 | 40nm-2,5 µm  Quartz | 82,3% in weight  67,7% in volume | Bis-GMA, UDMA, Bis-EMA | Hybrid |
| G3 | 0,4 µm  quartz and yttrium fluoride | 76,0% in weight  55,0% in volume | Silorane | Micro-hybrid |
| G4 | 0,02 - 3,0 µm (Mean =0,8)  Sílica,BABG,BAFG | 58% in weight  77% in volume | Bis-EMA, TEGDMA | Nano-hybrid |