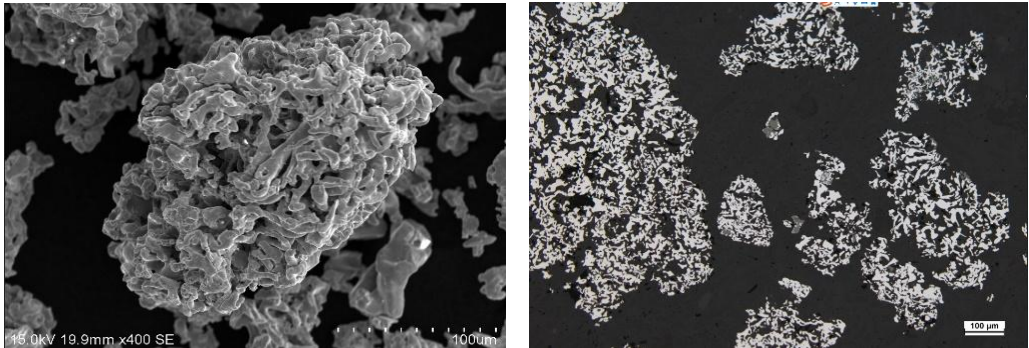




# Specification

## LWR80

|                            |                                                                                                                                                                                                                                                                                                                                                                    |                   |      |      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------|------|
| SEM                        |                                                                                                                                                                                                                                                                                  |                   |      |      |
| Advantages & Benefits      | <ul style="list-style-type: none"> <li>• Hydrogen reduced sponge iron Powder</li> <li>• Low apparent density</li> <li>• High internal porosity</li> <li>• Large surface area</li> <li>• Lower brake weight and reduction of material usage</li> <li>• Improved brake surfaces and excellent pad and rotor wear properties</li> <li>• Noise minimization</li> </ul> |                   |      |      |
| Chemical Properties        |                                                                                                                                                                                                                                                                                                                                                                    | Unit              | Min  | Max  |
|                            | H2-Loss                                                                                                                                                                                                                                                                                                                                                            | %                 | 0.40 | 1.40 |
|                            | Acid insolubility                                                                                                                                                                                                                                                                                                                                                  | %                 |      | 0.40 |
|                            | Fe is Base                                                                                                                                                                                                                                                                                                                                                         | %                 |      |      |
| Physical Properties        | Apparent density                                                                                                                                                                                                                                                                                                                                                   | g/cm <sup>3</sup> | 1.00 | 1.50 |
|                            | Green density                                                                                                                                                                                                                                                                                                                                                      | g/cm <sup>3</sup> | 5.80 | 6.10 |
| Particle size distribution | +80 mesh                                                                                                                                                                                                                                                                                                                                                           | %                 |      | 3.0  |
|                            | +100-80 mesh                                                                                                                                                                                                                                                                                                                                                       | %                 |      | 12.0 |
|                            | +140-100 mesh                                                                                                                                                                                                                                                                                                                                                      | %                 | 12.5 | 27.5 |
|                            | +200-140 mesh                                                                                                                                                                                                                                                                                                                                                      | %                 | 19.0 | 34.0 |
|                            | +325-140 mesh                                                                                                                                                                                                                                                                                                                                                      | %                 | 22.5 | 37.5 |
|                            | -325 mesh                                                                                                                                                                                                                                                                                                                                                          | %                 | 11.0 | 31.0 |