# LW POWDER

LWPM



# LWR 80

## Introduction

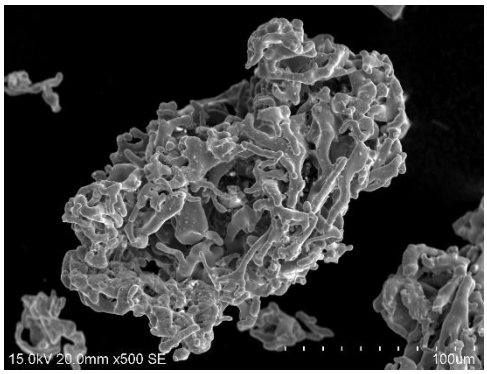
Hydrogen reduced iron powder LWR is widely used for the production of friction materials with low apparent density, our powders enable a reduction of brake weight and total material usage. Moreover, their high internal porosity and large surface area provide improved brake surfaces and wear properties.

Several factors determine the right powder for your friction application, including particle size distribution, apparent density (AD) and hardness (chemical composition and treatment).

### Main product benefits:

- Lower brake weight and reduction of material usage
- Improved brake surfaces and excellent pad and rotor wear properties
- Noise minimisation
- Consistent powders ensure uniform products





## SPECIFICATION

| Chemical Properties | Unit | Specification | |
|---|---|---|---|
| | | Min | Max |
| HL | % | 0.40 | 1.40 |
| Acid insolubility | % | | 0.40 |
| Fe is Base | % | | |
| **Physical Properties** | | | |
| Apparent density | g/cm3 | 1.00 | 1.50 |
| Green density | g/cm3 | 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 |
| +325-200 mesh | % | 22.5 | 37.5 |
| -325 mesh | % | 11.0 | 31.0 |



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