



## Technical Data Sheet

**PMR80.25**

### Chemical Analysis

| Test Name          | Unit | Typical value | Specification |
|--------------------|------|---------------|---------------|
| Fe (Iron )         | wt%  | 98.500        | ≥98           |
| C (Carbon )        | wt%  | 0.004         | ≤0.10         |
| Si (Silicon)       | wt%  | 0.120         | ≤0.15         |
| Mn (Manganese )    | wt%  | 0.360         | ≤0.4          |
| P (Phosphorus)     | wt%  | 0.015         | ≤0.02         |
| S (Sulfur )        | wt%  | 0.005         | ≤0.03         |
| HL (Hydrogen loss) | wt%  | 0.234         | ≤0.30         |

### Physical Analysis

| Test Name               | Unit              | Typical value | Specification |
|-------------------------|-------------------|---------------|---------------|
| Apparent Density (Hall) | g/cm <sup>3</sup> | 2.515         | 2.45-2.65     |
| Flow (Hall)             | s/50 g            | 29.700        | ≤35           |
| Green Density @ 490 MPa | g/cm <sup>3</sup> | 6.443         | ≥6.2          |

### Sieve Analysis

| Test Name | Unit | Typical value | Specification |
|-----------|------|---------------|---------------|
| +180um    | wt%  | 0.325         | ≤3.0          |
| +150um    | wt%  | 18.050        | bal.          |
| +75um     | wt%  | 55.075        | bal.          |
| +45um     | wt%  | 13.725        | bal.          |
| -45um     | wt%  | 12.825        | 5-25          |
|           |      |               |               |