Химический состав

|  |  |  |  |
| --- | --- | --- | --- |
| **Марка** | **Номинальный состав, %** | | |
| **Mn** | **Ni** | **C** |
| ПР-ГН40А1 | основа | 40 | ≤ 0,3 |
| ПР-ГН40А2 | основа | 40 | ≤ 0,3 |
| ПР-ГН40Б1 | основа | 40 | 0,8-1,5 |
| ПР-ГН40Б2 | основа | 40 | 0,8-1,5 |
| ПР-ГН40С1 | основа | 40 | 1,5-2,5 |
| ПР-ГН40С2 | основа | 40 | 1,5-2,5 |

Классы порошков по размерам частиц

|  |  |  |
| --- | --- | --- |
| **Класс порошка** | **Основная фракция, мкм** | **Насыпная плотность, г/см3** |
| 1 | ≤ 100 | 3,7-4,5 |
| 2 | 50-315 | 2,0-3,0 |
| 3 | 100-400 | 1,8-2,5 |
| 3А | 100-400 | 2,5-3,0 |
| 4 | 315-800 | 1,4-2,0 |
| 5 | 400-1250 | 1,0-1,3 |
| 6 | 400-1250 | 1,4-1,6 |
| 7 | 400-1250 | 1,65-2,0 |

Chemical composition

|  |  |  |  |
| --- | --- | --- | --- |
| **Grade** | **Nominal composition, %** | | |
| **Mn** | **Ni** | **C** |
| AP-MnNi40 grade A1 | base | 40 | ≤ 0.3 |
| AP-MnNi40 grade A2 | base | 40 | ≤ 0.3 |
| AP-MnNi40 grade B1 | base | 40 | 0.8-1.5 |
| AP-MnNi40 grade B2 | base | 40 | 0.8-1.5 |
| AP-MnNi40 grade C1 | base | 40 | 1.5-2.5 |
| AP-MnNi40 grade C2 | base | 40 | 1.5-2.5 |

Powder classes by particle size

|  |  |  |
| --- | --- | --- |
| **Powder class** | **Base fraction, microns** | **Packed density, g/cm3** |
| 1 | ≤ 100 | 3.7-4.5 |
| 2 | 50-315 | 2.0-3.0 |
| 3 | 100-400 | 1.8-2.5 |
| 3A | 100-400 | 2.5-3.0 |
| 4 | 315-800 | 1.4-2.0 |
| 5 | 400-1250 | 1.0-1.3 |
| 6 | 400-1250 | 1.4-1.6 |
| 7 | 400-1250 | 1.65-2.0 |