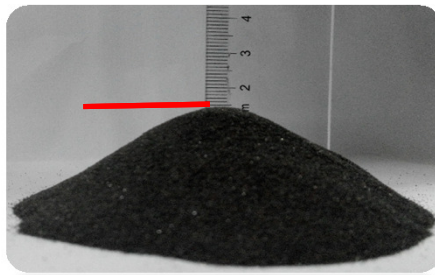
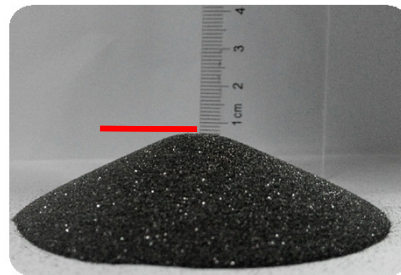


Compression Molded Compound Technology: Better Flowability MQEP



**Standard
MQEP**



**Better
Flowability
MQEP**

- More stable magnet weight with **better feed stability** and **flow ability**
- Lower die material costs and ease of making taller magnets with **higher apparent density**

| Tests | | Standard MQEP powder | Better Flowability MQEP powder |
|--|------------------------|-----------------------|--------------------------------|
| Flowability (s) * | | 26.7 | 20.7 |
| Apparent Density (g/cc) | | 3.3 | 3.9 |
| Tap Density (g/cc) | | 3.9 | 4.4 |
| Feeding Stability (%g/g) | | Range/Average=1.07 | Range/Average=0.43 |
| Φ9.8mm cylinder magnet density by different press force (g/cc) | 6.0mt/cm ² | 6.0 | 6.1 |
| | 10.0mt/cm ² | 6.2 | 6.3 |
| | 14.0mt/cm ² | 6.4 | 6.4 |
| Required press force for 6.0g/cc magnet | Cylinder | 4.6 | 4.1 |
| | Ring | 6.5 | 5.8 |
| Ejection (Mpa) | | 9.6 | 8.6 |
| Crush Strength | | No significant change | |
| Spring back | | | |
| Magnetic properties | | | |
| Aging loss | | | |

*Tests are based on ISO4490 and ISO3923/1 standards
Suggested curing conditions for magnets: 175°C for 30mins

This compression molded compound technology is applicable to all MQP™ grades.