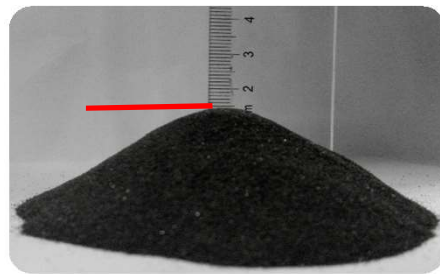
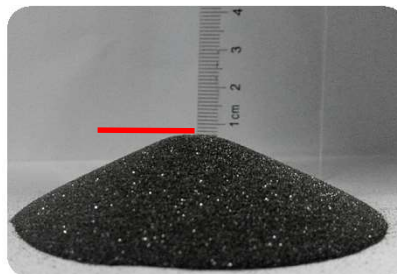


Compression Molded Compound Technology: Better Flowability MQEP



**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.