### Particle Size Distribution

#### -60 to -150 Mesh
MQP™ Pin Mill
(Measured by standard sieve screens)

#### -40 Mesh MQP™
Media Mill

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Jet Cast Ribbon

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MQFP
Jet Mill
(Measured by Microtrac Model S3550)

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<table>
<thead>
<tr>
<th>Type</th>
<th>D10</th>
<th>D50</th>
<th>D95</th>
<th>Magnetic Property Decrease</th>
<th>Part number Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>MQP™</td>
<td></td>
<td></td>
<td></td>
<td>Br (mT) Hci (kA/m) (BH)max (kJ/m³)</td>
<td></td>
</tr>
<tr>
<td>-40 mesh</td>
<td>65</td>
<td>160</td>
<td>340</td>
<td>---  ---  ---</td>
<td>-070</td>
</tr>
<tr>
<td>-60 mesh</td>
<td>50</td>
<td>115</td>
<td>180</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>-80 mesh</td>
<td>45</td>
<td>100</td>
<td>150</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>-120 mesh</td>
<td>40</td>
<td>75</td>
<td>100</td>
<td>4</td>
<td>0-5</td>
</tr>
<tr>
<td>-150 mesh</td>
<td>35</td>
<td>65</td>
<td>85</td>
<td>5</td>
<td>0-5</td>
</tr>
</tbody>
</table>

MQFP

| D50=25µm | 25  | 50  | 12 - 20 | 10  | 2 - 5 | -088 |
| D50=5µm  | 5   | 10  | 25 - 45 | 15  | 10 - 16 | -089 |

**Notes:**
1. The powder particle size of MQP™ is determined by passing the powders through the respective mesh screen. The mesh number stands for the number of openings per inch of the screen. E.g. A 40 mesh screen has 40 openings per inch of the screen.
2. Magnetic properties decrease as powder is milled to finer sizes. The table shows the difference compared to standard -40mesh powder.
3. The data is applicable for all standard MQP™ grades.

All MQP™ powders can be made in any of the particle size options

MQP™-(Powder Type)-(Part number)-(Part number Suffix)

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