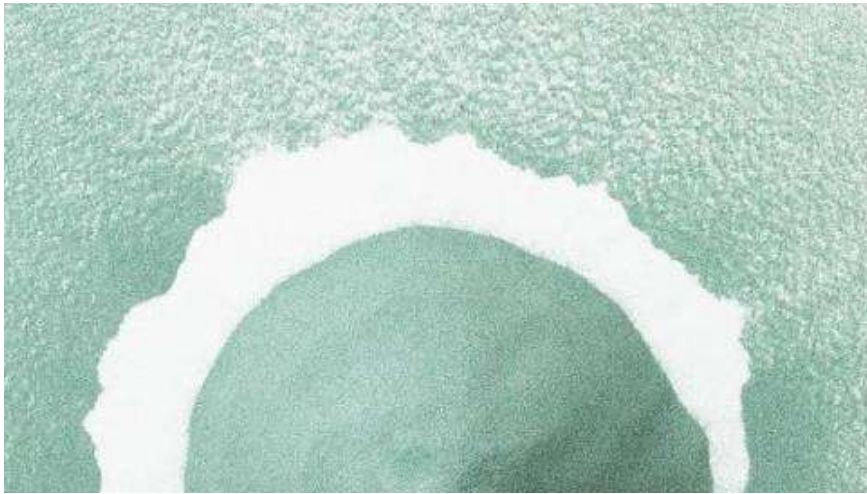




# FEPA Particle Size Conversion Chart

FEPA (Federation of European Producers of Abrasives)

Washington Mills has created a particle size conversion chart to assist our customers in selecting the correct grit size based on millimeters, microns, or inches.

For more information, visit [Federation of European Producers of Abrasives](#)

**This chart is designed to compare millimeters, microns and inches to sieve sizes and match them to corresponding FEPA grit sizes.**

| <b>Millimeters</b> | <b>Microns*</b> | <b>Inches</b> | <b>FEPA Grit</b> |
|--------------------|-----------------|---------------|------------------|
| <b>4.75</b>        | <b>4750</b>     | <b>0.189</b>  | <b>F4</b>        |
| <b>4</b>           | <b>4000</b>     | <b>0.159</b>  | <b>F5</b>        |
| <b>3.35</b>        | <b>3350</b>     | <b>0.133</b>  | <b>F6</b>        |
| <b>2.8</b>         | <b>2800</b>     | <b>0.111</b>  | <b>F7</b>        |
| <b>2.36</b>        | <b>2360</b>     | <b>0.094</b>  | <b>F8</b>        |
| <b>2</b>           | <b>2000</b>     | <b>0.079</b>  | <b>F10</b>       |
| <b>1.7</b>         | <b>1700</b>     | <b>0.068</b>  | <b>F12</b>       |
| <b>1.4</b>         | <b>1400</b>     | <b>0.056</b>  | <b>F14</b>       |
| <b>1.18</b>        | <b>1180</b>     | <b>0.047</b>  | <b>F16</b>       |
| <b>1</b>           | <b>1000</b>     | <b>0.040</b>  | <b>F20</b>       |
| <b>0.85</b>        | <b>850</b>      | <b>0.034</b>  | <b>F22</b>       |
| <b>0.71</b>        | <b>710</b>      | <b>0.028</b>  | <b>F24</b>       |
| <b>0.6</b>         | <b>600</b>      | <b>0.024</b>  | <b>F30</b>       |
| <b>0.5</b>         | <b>500</b>      | <b>0.020</b>  | <b>F36</b>       |
| <b>0.425</b>       | <b>425</b>      | <b>0.017</b>  | <b>F40</b>       |
| <b>0.355</b>       | <b>355</b>      | <b>0.014</b>  | <b>F46</b>       |

|              |            |               |             |
|--------------|------------|---------------|-------------|
| <b>0.3</b>   | <b>300</b> | <b>0.012</b>  | <b>F54</b>  |
| <b>0.25</b>  | <b>250</b> | <b>0.010</b>  | <b>F60</b>  |
| <b>0.212</b> | <b>212</b> | <b>0.008</b>  | <b>F70</b>  |
| <b>0.18</b>  | <b>180</b> | <b>0.007</b>  | <b>F80</b>  |
| <b>0.15</b>  | <b>150</b> | <b>0.006</b>  | <b>F90</b>  |
| <b>0.125</b> | <b>125</b> | <b>0.005</b>  | <b>F100</b> |
| <b>0.106</b> | <b>106</b> | <b>0.004</b>  | <b>F120</b> |
| <b>0.075</b> | <b>75</b>  | <b>0.0030</b> | <b>F150</b> |
| <b>0.063</b> | <b>63</b>  | <b>0.0025</b> | <b>F180</b> |
| <b>0.053</b> | <b>53</b>  | <b>0.0021</b> | <b>F220</b> |

**\*Micron size is based upon the 40% min sieve.**

#### **Microgrits**

| <b>Millimeters</b> | <b>Microns*</b> | <b>Inches</b>  | <b>FEPA Grit</b> |
|--------------------|-----------------|----------------|------------------|
| <b>0.053</b>       | <b>53</b>       | <b>0.00211</b> | <b>F230</b>      |
| <b>0.0445</b>      | <b>44.5</b>     | <b>0.00177</b> | <b>F240</b>      |
| <b>0.0365</b>      | <b>36.5</b>     | <b>0.00145</b> | <b>F280</b>      |
| <b>0.0292</b>      | <b>29.2</b>     | <b>0.00116</b> | <b>F320</b>      |
| <b>0.0228</b>      | <b>22.8</b>     | <b>0.00091</b> | <b>F360</b>      |

|               |             |                |              |
|---------------|-------------|----------------|--------------|
| <b>0.0173</b> | <b>17.3</b> | <b>0.00069</b> | <b>F400</b>  |
| <b>0.0128</b> | <b>12.8</b> | <b>0.00051</b> | <b>F500</b>  |
| <b>0.0093</b> | <b>9.3</b>  | <b>0.00037</b> | <b>F600</b>  |
| <b>0.0065</b> | <b>6.5</b>  | <b>0.00026</b> | <b>F800</b>  |
| <b>0.0045</b> | <b>4.5</b>  | <b>0.00018</b> | <b>F1000</b> |
| <b>0.003</b>  | <b>3</b>    | <b>0.00012</b> | <b>F1200</b> |
| <b>0.002</b>  | <b>2</b>    | <b>0.00008</b> | <b>F1500</b> |
| <b>0.0012</b> | <b>1.2</b>  | <b>0.00005</b> | <b>F2000</b> |

**\*Micron size is based upon the average of the d50.**

- **F Grits Conform to FEPA-Standard 42-1:2006**
- **P Grits Conform to FEPA-Standards 43-1:2006, 43-2:2006**