



Henan Silk Road Abrasives & Tools

Contact us:

Email:info@silkroadabrasives.com

Tel: (+86) 18638167333

Address: Zhengzhou High-tech Zone Enterprise Headquarters Base Innovation Park in Henan Province

<https://www.silkroadabrasives.com/>

FEPA P Macrogrit Particle Size Tolerances

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| Grit Size | Sieves (Cumulative) | Aperture Size (µm) | Tolerances (%) |
|-----------|---------------------|--------------------|----------------|
| P12 | 6 | 3350 | 0 |
| | +8 | 2360 | < 1 |
| | +10 | 2000 | 10-18 |
| | +12 | 1700 | 52-70 |
| | +14 | 1400 | > 92 |
| | Through 14 | 1400 | < 8 |
| P16 | 8 | 2360 | 0 |
| | +12 | 1700 | < 3 |
| | +14 | 1400 | 20-32 |
| | +16 | 1180 | 66-84 |
| | +18 | 1000 | > 96 |
| | Through 18 | 1000 | < 4 |
| P20 | 12 | 1700 | 0 |
| | +16 | 1180 | < 7 |
| | +18 | 1000 | 34-50 |
| | +20 | 850 | 80-92 |
| | +25 | 710 | > 92 |
| | Through 25 | 710 | < 8 |
| P24 | 14 | 1400 | 0 |
| | +18 | 1000 | < 1 |
| | +20 | 850 | 10-18 |
| | +25 | 710 | 52-70 |
| | +30 | 600 | > 92 |
| | Through 30 | 600 | < 8 |
| P30 | 16 | 1180 | 0 |
| | +20 | 850 | < 1 |
| | +25 | 710 | 10-18 |
| | +30 | 600 | 52-70 |
| | +35 | 500 | > 92 |
| | Through 35 | 500 | < 8 |

| Millimeters | Microns Inches | Inches | ASTM Sieve |
|-------------|----------------|--------|------------|
| P36 | 18 | 1000 | 0 |
| | +25 | 710 | < 1 |
| | +30 | 600 | 10-18 |
| | +35 | 500 | 52-70 |
| | +40 | 425 | > 92 |
| | Through 40 | 425 | < 8 |
| P40 | 25 | 710 | 0 |
| | +35 | 500 | < 7 |
| | +40 | 425 | 34-50 |
| | +45 | 355 | 80-92 |
| | +50 | 300 | > 96 |
| | Through 50 | 300 | < 4 |
| P50 | 30 | 600 | 0 |
| | +40 | 425 | < 1 |
| | +45 | 355 | 10-18 |
| | +50 | 300 | 52-70 |
| | +60 | 230 | > 92 |
| | Through 60 | 250 | < 8 |
| P60 | 35 | 500 | 0 |
| | +45 | 355 | < 1 |
| | +50 | 300 | 10-18 |
| | +60 | 250 | 52-70 |
| | +70 | 212 | > 92 |
| | Through 70 | 212 | < 8 |
| P80 | 45 | 355 | 0 |
| | +60 | 355 | < 3 |
| | +70 | 212 | 20-32 |
| | +80 | 180 | 66-84 |
| | +100 | 150 | > 96 |
| | Through 100 | 150 | > 4 |

| Grit Size | Sieves (Cumulative) | Aperture Size (µm) | Tolerances (%) |
|-----------|---------------------|--------------------|----------------|
| P100 | 50 | 300 | 0 |
| | +70 | 212 | < 1 |
| | +80 | 180 | 10-18 |
| | +100 | 150 | 52-70 |
| | +120 | 125 | > 92 |
| | Through 120 | 125 | < 8 |
| P120 | 70 | 212 | 0 |
| | +100 | 150 | < 7 |
| | +120 | 125 | 34-50 |
| | +140 | 106 | 80-92 |
| | +170 | 90 | > 96 |
| | Through 170 | 90 | < 4 |
| P150 | 80 | 180 | 0 |
| | +120 | 125 | < 3 |
| | +140 | 106 | 20-32 |
| | +170 | 90 | 66-84 |
| | +200 | 75 | > 96 |
| | Through 200 | 75 | > 4 |
| P180 | 100 | 150 | 0 |
| | +140 | 106 | < 2 |
| | +170 | 90 | 10-20 |
| | +200 | 75 | 50-74 |
| | +230 | 63 | > 90 |
| | Through 230 | 63 | < 10 |
| P220 | 100 | 125 | 0 |
| | +170 | 90 | < 2 |
| | +200 | 75 | 10-20 |
| | +230 | 63 | 50-74 |
| | +270 | 53 | > 90 |
| | Through 270 | 53 | < 10 |

FEPA Standard 43-1:2006:

Grain Size Distribution of Macrogrits P12 to P220