

# 成形材料試験成績表

平成30年9月度



株式会社 未来樹脂



〒187-0043 東京都小平市学園東町1丁目7番14号  
TEL:042-346-1100 FAX:042-346-2020

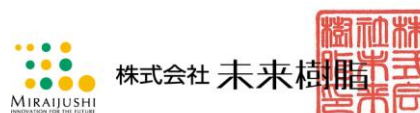
成形材料名: ポリエチレン

| 試験項目      | 試験方法       | 単位                | 規格値           | 試験値   |
|-----------|------------|-------------------|---------------|-------|
| 密度        | JIS K 7112 | kg/m <sup>3</sup> | 942 以上        | 960   |
| メルトフローレート | JIS K 7210 | g/10min           | 1.5 以上 6.0 未満 | 5.2   |
| 引張降伏強さ    | JIS K 7161 | MPa               | 19.61 以上      | 28.27 |
| デュロメータD硬さ | JIS K 7215 | H <sub>D</sub> D  | 60 以上         | 64    |
| ビカッ軟化点    | JIS K 7206 | °C                | 105 以上        | 127   |

[備考] 本表は、材料メーカーの報告によるもので、当社製品の成形材料です。

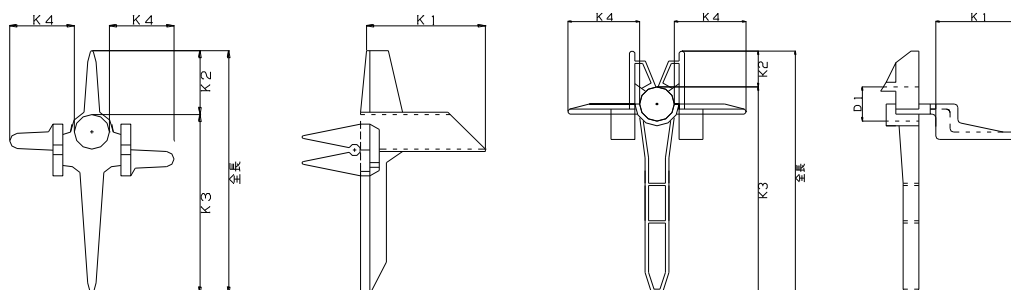
## K形スピーサ 試験成績書

平成 30年 9月度



〒187-0043 東京都小平市学園東町1丁目7番14号

TEL:042-346-1100 FAX:042-346-2020



| 項目<br>種類  | 外<br>観<br>形<br>状 | K1     |             |             | K2     |             |             | K3     |             |             | K4     |             |             | 全長     |             |             |
|-----------|------------------|--------|-------------|-------------|--------|-------------|-------------|--------|-------------|-------------|--------|-------------|-------------|--------|-------------|-------------|
|           |                  | 寸<br>法 | 許<br>容<br>差 | 測<br>定<br>値 | 寸<br>法 | 許<br>容<br>差 | 測<br>定<br>値 | 寸<br>法 | 許<br>容<br>差 | 測<br>定<br>値 | 寸<br>法 | 許<br>容<br>差 | 測<br>定<br>値 | 寸<br>法 | 許<br>容<br>差 | 測<br>定<br>値 |
|           |                  | mm     | ±           | mm          | mm     | ±           | mm          | mm     | ±           | mm          | mm     | ±           | mm          | mm     | ±           | mm          |
| 旧K30-3-3  | 良                | 20.0   | 1.0         | 19.4        | 11.0   | 0.5         | 11.0        | 18.0   | 0.5         | 17.9        | 20.0   | 1.0         | 20.7        | 29.0   | 1.0         | 28.9        |
| K30-3-3   | 良                | 30.0   | 1.0         | 29.9        | 11.0   | 0.5         | 11.3        | 18.0   | 0.5         | 18.0        | 20.0   | 1.0         | 20.8        | 29.0   | 1.0         | 29.3        |
| 旧K35-3-3  | 良                | 20.0   | 1.0         | 19.2        | 11.0   | 0.5         | 11.0        | 22.0   | 1.0         | 21.8        | 20.0   | 1.0         | 20.5        | 33.0   | 1.0         | 32.8        |
| K35-3-3   | 良                | 30.0   | 1.0         | 29.9        | 11.0   | 0.5         | 11.2        | 22.0   | 1.0         | 21.8        | 20.0   | 1.0         | 20.8        | 33.0   | 1.0         | 33.0        |
| 旧K40-3-3  | 良                | 20.0   | 1.0         | 20.0        | 11.0   | 0.5         | 10.9        | 27.0   | 1.0         | 27.0        | 20.0   | 1.0         | 20.5        | 38.0   | 1.0         | 37.9        |
| K40-3-3   | 良                | 30.0   | 1.0         | 30.1        | 11.0   | 0.5         | 11.3        | 27.0   | 1.0         | 27.1        | 20.0   | 1.0         | 20.7        | 38.0   | 1.0         | 38.4        |
| K40-5-4   | 良                | 30.0   | 1.0         | 29.7        | 15.0   | 0.5         | 15.1        | 23.0   | 1.0         | 23.0        | 19.0   | 0.5         | 19.1        | 38.0   | 1.0         | 38.1        |
| 旧K45-3-3  | 良                | 20.0   | 1.0         | 20.0        | 11.0   | 0.5         | 11.1        | 32.0   | 1.0         | 32.1        | 20.0   | 1.0         | 20.4        | 43.0   | 2.0         | 43.2        |
| K45-3-3   | 良                | 30.0   | 1.0         | 30.0        | 11.0   | 0.5         | 11.3        | 32.0   | 1.0         | 32.2        | 20.0   | 1.0         | 20.7        | 43.0   | 2.0         | 43.5        |
| K45-5-4   | 良                | 30.0   | 1.0         | 30.2        | 15.0   | 0.5         | 15.2        | 28.0   | 1.0         | 28.1        | 19.0   | 0.5         | 19.0        | 43.0   | 2.0         | 43.3        |
| K45-6-4   | 良                | 30.0   | 1.0         | 29.7        | 15.0   | 0.5         | 15.4        | 29.0   | 1.0         | 29.1        | 20.0   | 1.0         | 20.2        | 44.0   | 2.0         | 44.5        |
| 旧K50-4-4  | 良                | 20.0   | 1.0         | 20.1        | 15.0   | 0.5         | 15.4        | 33.0   | 1.0         | 32.4        | 20.0   | 1.0         | 20.1        | 48.0   | 2.0         | 47.8        |
| K50-4-4   | 良                | 30.0   | 1.0         | 29.8        | 15.0   | 0.5         | 15.4        | 33.0   | 1.0         | 32.5        | 20.0   | 1.0         | 20.5        | 48.0   | 2.0         | 47.9        |
| K50-5-4   | 良                | 30.0   | 1.0         | 29.9        | 15.0   | 0.5         | 15.0        | 33.0   | 1.0         | 32.6        | 19.0   | 0.5         | 19.0        | 48.0   | 2.0         | 47.6        |
| K50-6-4   | 良                | 30.0   | 1.0         | 29.8        | 15.0   | 0.5         | 15.3        | 33.0   | 1.0         | 33.4        | 20.0   | 1.0         | 20.3        | 48.0   | 2.0         | 48.7        |
| K50-6-6S  | 良                | 16.0   | 0.5         | 15.6        | 12.0   | 0.5         | 12.1        | 35.0   | 1.0         | 35.9        | 17.0   | 0.5         | 16.7        | 47.0   | 2.0         | 48.0        |
| 旧K55-5-4  | 良                | 20.0   | 1.0         | 19.1        | 15.0   | 0.5         | 14.7        | 37.0   | 1.0         | 36.9        | 20.0   | 1.0         | 20.4        | 52.0   | 2.0         | 51.6        |
| K55-5-4   | 良                | 30.0   | 1.0         | 29.9        | 15.0   | 0.5         | 15.1        | 37.0   | 1.0         | 37.4        | 20.0   | 1.0         | 20.6        | 52.0   | 2.0         | 52.5        |
| K55-6-4   | 良                | 30.0   | 1.0         | 29.7        | 15.0   | 0.5         | 15.1        | 38.0   | 1.0         | 38.1        | 20.0   | 1.0         | 20.3        | 53.0   | 2.0         | 53.2        |
| K60-6-4   | 良                | 30.0   | 1.0         | 29.9        | 15.0   | 0.5         | 15.2        | 43.0   | 2.0         | 43.4        | 20.0   | 1.0         | 20.1        | 58.0   | 2.0         | 58.6        |
| K60-6-6JR | 良                | 30.0   | 1.0         | 29.7        | 17.0   | 0.5         | 17.1        | 41.0   | 2.0         | 40.7        | 29.0   | 1.0         | 28.3        | 58.0   | 2.0         | 57.8        |
| K60-6-6S  | 良                | 17.0   | 0.5         | 17.3        | 11.0   | 0.5         | 11.3        | 45.0   | 2.0         | 43.6        | 17.0   | 0.5         | 16.7        | 56.0   | 2.0         | 54.9        |
| K65-6-4   | 良                | 30.0   | 1.0         | 30.0        | 15.0   | 0.5         | 14.9        | 48.0   | 2.0         | 48.2        | 20.0   | 1.0         | 20.3        | 63.0   | 2.5         | 63.1        |
| K70-6-6   | 良                | 30.0   | 1.0         | 29.8        | 15.0   | 0.5         | 15.1        | 53.0   | 2.0         | 53.3        | 20.0   | 1.0         | 20.1        | 68.0   | 2.5         | 68.4        |
| K70-6-6P  | 良                | 25.0   | 1.0         | 24.6        | 16.0   | 0.5         | 16.3        | 51.0   | 2.0         | 50.7        | 27.0   | 1.0         | 26.7        | 67.0   | 2.5         | 67.0        |
| K70-10-10 | 良                | 18.0   | 0.5         | 17.8        | 9.0    | 0.5         | 9.3         | 58.0   | 2.0         | 57.7        | 22.0   | 1.0         | 22.1        | 67.0   | 2.5         | 67.0        |
| K74-6-6L  | 良                | 30.0   | 1.0         | 31.0        | 6.0    | 0.5         | 6.5         | 59.0   | 2.0         | 59.1        | 20.0   | 1.0         | 19.6        | 65.0   | 2.5         | 65.6        |
| K80-4-4L  | 良                | 30.0   | 1.0         | 30.0        | 6.0    | 0.5         | 6.5         | 57.0   | 2.0         | 57.2        | 22.0   | 1.0         | 21.9        | 63.0   | 2.5         | 63.7        |
| K80-6-6   | 良                | 30.0   | 1.0         | 29.0        | 15.0   | 0.5         | 14.7        | 63.0   | 2.5         | 64.2        | 20.0   | 1.0         | 20.1        | 78.0   | 2.5         | 78.9        |
| K80-6-6L  | 良                | 30.0   | 1.0         | 30.8        | 6.0    | 0.5         | 6.4         | 65.0   | 2.5         | 66.2        | 20.0   | 1.0         | 19.5        | 71.0   | 2.5         | 72.6        |
| 旧K80-10-6 | 良                | 20.0   | 1.0         | 20.4        | 8.0    | 0.5         | 8.3         | 69.0   | 2.5         | 68.7        | 10.0   | 0.5         | 9.5         | 77.0   | 2.5         | 77.0        |

| 種類         | 項目<br>外觀形状 | K1   |     |      | K2   |     |      | K3    |     |       | K4   |     |      | 全長    |     |       |
|------------|------------|------|-----|------|------|-----|------|-------|-----|-------|------|-----|------|-------|-----|-------|
|            |            | 寸法   | 許容差 | 測定値  | 寸法   | 許容差 | 測定値  | 寸法    | 許容差 | 測定値   | 寸法   | 許容差 | 測定値  | 寸法    | 許容差 | 測定値   |
|            |            | mm   | ±   | mm   | mm   | ±   | mm   | mm    | ±   | mm    | mm   | ±   | mm   | mm    | ±   | mm    |
| K80-10-6   | 良          | 30.0 | 1.0 | 30.5 | 16.0 | 0.5 | 15.6 | 62.0  | 2.5 | 62.4  | 30.0 | 1.0 | 30.0 | 78.0  | 2.5 | 78.0  |
| K80-10-10  | 良          | 18.0 | 0.5 | 17.8 | 9.0  | 0.5 | 9.2  | 68.0  | 2.5 | 67.5  | 22.0 | 1.0 | 21.9 | 77.0  | 2.5 | 76.7  |
| K85-4-4L   | 良          | 30.0 | 1.0 | 30.0 | 6.0  | 0.5 | 6.4  | 64.0  | 2.5 | 63.8  | 22.0 | 1.0 | 21.6 | 70.0  | 2.5 | 70.2  |
| 旧K85-10-6  | 良          | 20.0 | 1.0 | 20.2 | 10.0 | 0.5 | 10.2 | 73.0  | 2.5 | 72.8  | 10.0 | 0.5 | 9.5  | 83.0  | 2.5 | 83.0  |
| K85-10-6   | 良          | 30.0 | 1.0 | 29.7 | 16.0 | 0.5 | 15.6 | 67.0  | 2.5 | 67.7  | 30.0 | 1.0 | 30.0 | 83.0  | 2.5 | 83.3  |
| K90-4-4L   | 良          | 30.0 | 1.0 | 29.8 | 6.0  | 0.5 | 6.4  | 69.0  | 2.5 | 69.0  | 22.0 | 1.0 | 21.6 | 75.0  | 2.5 | 75.4  |
| K90-4-4S   | 良          | 30.0 | 1.0 | 29.5 | 33.0 | 1.0 | 32.9 | 55.0  | 2.0 | 55.9  | 27.0 | 1.0 | 26.7 | 88.0  | 2.5 | 88.8  |
| K90-6-4    | 良          | 30.0 | 1.0 | 30.2 | 15.0 | 0.5 | 14.8 | 70.0  | 2.5 | 70.3  | 23.0 | 1.0 | 23.3 | 85.0  | 2.5 | 85.1  |
| K90-10-6H  | 良          | 30.0 | 1.0 | 30.6 | 16.0 | 0.5 | 15.7 | 69.0  | 2.5 | 69.5  | 30.0 | 1.0 | 30.0 | 85.0  | 2.5 | 85.2  |
| K90-10-6   | 良          | 20.0 | 1.0 | 19.1 | 15.0 | 0.5 | 15.1 | 70.0  | 2.5 | 71.0  | 23.0 | 1.0 | 23.2 | 85.0  | 2.5 | 86.1  |
| K90-10-6L  | 良          | 30.0 | 1.0 | 29.2 | 15.0 | 0.5 | 15.4 | 70.0  | 2.5 | 70.7  | 23.0 | 1.0 | 23.4 | 85.0  | 2.5 | 86.1  |
| K95-4-4S   | 良          | 30.0 | 1.0 | 29.8 | 33.0 | 1.0 | 32.6 | 60.0  | 2.5 | 60.6  | 27.0 | 1.0 | 26.6 | 93.0  | 3.0 | 93.2  |
| K95-6-6L   | 良          | 30.0 | 1.0 | 30.7 | 6.0  | 0.5 | 6.4  | 75.0  | 2.5 | 75.7  | 20.0 | 1.0 | 19.7 | 81.0  | 2.5 | 82.1  |
| K95-6-6S   | 良          | 30.0 | 1.0 | 29.3 | 17.0 | 0.5 | 17.1 | 76.0  | 2.5 | 75.5  | 29.0 | 1.0 | 28.4 | 93.0  | 3.0 | 92.6  |
| K95-10-6   | 良          | 30.0 | 1.0 | 29.7 | 20.0 | 1.0 | 19.6 | 70.0  | 2.5 | 70.6  | 23.0 | 1.0 | 22.8 | 90.0  | 3.0 | 90.2  |
| K95-10-6H  | 良          | 30.0 | 1.0 | 30.8 | 16.0 | 0.5 | 15.6 | 74.0  | 2.5 | 75.1  | 30.0 | 1.0 | 30.0 | 90.0  | 3.0 | 90.7  |
| K95-10-10  | 良          | 30.0 | 1.0 | 30.1 | 20.0 | 1.0 | 19.7 | 70.0  | 2.5 | 70.0  | 25.0 | 1.0 | 24.7 | 90.0  | 3.0 | 89.7  |
| K95-13-6   | 良          | 22.0 | 1.0 | 22.1 | 20.0 | 1.0 | 19.9 | 70.0  | 2.5 | 71.1  | 23.0 | 1.0 | 23.3 | 90.0  | 3.0 | 91.0  |
| K95-13-6L  | 良          | 30.0 | 1.0 | 30.2 | 20.0 | 1.0 | 19.6 | 70.0  | 2.5 | 70.1  | 23.0 | 1.0 | 23.5 | 90.0  | 3.0 | 89.7  |
| K95-13-13  | 良          | 30.0 | 1.0 | 30.3 | 18.0 | 0.5 | 18.5 | 72.0  | 2.5 | 71.4  | 23.0 | 1.0 | 23.0 | 90.0  | 3.0 | 89.9  |
| K100-10-6H | 良          | 30.0 | 1.0 | 30.5 | 16.0 | 0.5 | 15.8 | 79.0  | 2.5 | 79.1  | 30.0 | 1.0 | 30.0 | 95.0  | 3.0 | 94.9  |
| K100-10-6P | 良          | 25.0 | 1.0 | 25.0 | 15.0 | 0.5 | 15.5 | 81.0  | 2.5 | 80.3  | 25.0 | 1.0 | 24.3 | 96.0  | 3.0 | 95.8  |
| K100-10-10 | 良          | 30.0 | 1.0 | 29.4 | 19.0 | 0.5 | 18.5 | 76.0  | 2.5 | 76.5  | 24.0 | 1.0 | 23.3 | 95.0  | 3.0 | 95.0  |
| K100-13-10 | 良          | 22.5 | 1.0 | 22.6 | 15.0 | 0.5 | 14.8 | 75.0  | 2.5 | 76.8  | 41.5 | 2.0 | 41.6 | 90.0  | 3.0 | 91.6  |
| K100-13-13 | 良          | 22.0 | 1.0 | 21.9 | 15.0 | 0.5 | 15.5 | 80.0  | 2.5 | 79.6  | 23.0 | 1.0 | 22.3 | 95.0  | 3.0 | 95.1  |
| K105-6-6H  | 良          | 25.0 | 1.0 | 24.8 | 17.0 | 0.5 | 16.6 | 83.0  | 2.5 | 83.2  | 26.0 | 1.0 | 26.2 | 100.0 | 3.0 | 99.8  |
| K110-4-4S  | 良          | 30.0 | 1.0 | 29.4 | 43.0 | 2.0 | 43.0 | 65.0  | 2.5 | 65.3  | 27.0 | 1.0 | 26.7 | 108.0 | 3.0 | 108.3 |
| K110-6-6H  | 良          | 25.0 | 1.0 | 24.6 | 17.0 | 0.5 | 16.5 | 88.0  | 2.5 | 88.1  | 27.0 | 1.0 | 26.4 | 105.0 | 3.0 | 104.6 |
| K110-10-6  | 良          | 30.0 | 1.0 | 30.0 | 20.0 | 1.0 | 19.6 | 85.0  | 2.5 | 84.9  | 23.0 | 1.0 | 22.6 | 105.0 | 3.0 | 104.5 |
| K110-10-6H | 良          | 30.0 | 1.0 | 30.8 | 16.0 | 0.5 | 15.7 | 89.0  | 2.5 | 89.0  | 30.0 | 1.0 | 30.1 | 105.0 | 3.0 | 104.7 |
| K110-10-10 | 良          | 30.0 | 1.0 | 30.6 | 20.0 | 1.0 | 19.6 | 82.0  | 2.5 | 81.6  | 24.0 | 1.0 | 24.2 | 102.0 | 3.0 | 101.2 |
| K110-13-6  | 良          | 22.0 | 1.0 | 21.8 | 20.0 | 1.0 | 20.3 | 85.0  | 2.5 | 84.0  | 23.0 | 1.0 | 22.9 | 105.0 | 3.0 | 104.3 |
| K110-13-6L | 良          | 30.0 | 1.0 | 30.1 | 20.0 | 1.0 | 20.5 | 85.0  | 2.5 | 85.0  | 23.0 | 1.0 | 23.2 | 105.0 | 3.0 | 105.5 |
| K110-13-13 | 良          | 30.0 | 1.0 | 30.5 | 20.0 | 1.0 | 19.9 | 84.0  | 2.5 | 83.8  | 23.0 | 1.0 | 23.1 | 104.0 | 3.0 | 103.7 |
| K115-6-6H  | 良          | 25.0 | 1.0 | 24.7 | 17.0 | 0.5 | 16.6 | 93.0  | 3.0 | 93.3  | 27.0 | 1.0 | 26.4 | 110.0 | 3.0 | 109.9 |
| K120-6-6H  | 良          | 25.0 | 1.0 | 24.6 | 17.0 | 0.5 | 16.6 | 98.0  | 3.0 | 97.9  | 27.0 | 1.0 | 26.2 | 115.0 | 3.0 | 114.5 |
| K120-10-6H | 良          | 30.0 | 1.0 | 30.8 | 16.0 | 0.5 | 15.7 | 99.0  | 3.0 | 98.9  | 30.0 | 1.0 | 30.1 | 115.0 | 3.0 | 114.6 |
| K120-10-10 | 良          | 30.0 | 1.0 | 30.5 | 20.0 | 1.0 | 20.6 | 95.0  | 3.0 | 94.6  | 24.0 | 1.0 | 24.2 | 115.0 | 3.0 | 115.2 |
| K120-13-10 | 良          | 22.5 | 1.0 | 22.9 | 15.0 | 0.5 | 14.8 | 95.0  | 3.0 | 95.6  | 41.5 | 2.0 | 41.7 | 110.0 | 3.0 | 110.4 |
| K120-13-13 | 良          | 30.0 | 1.0 | 30.1 | 20.0 | 1.0 | 19.7 | 95.0  | 3.0 | 95.8  | 23.0 | 1.0 | 23.2 | 115.0 | 3.0 | 115.5 |
| K125-4-4S  | 良          | 30.0 | 1.0 | 29.8 | 48.0 | 2.0 | 47.2 | 75.0  | 2.5 | 74.7  | 27.0 | 1.0 | 27.0 | 123.0 | 3.0 | 121.9 |
| K125-10-6  | 良          | 30.0 | 1.0 | 29.8 | 20.0 | 1.0 | 19.9 | 100.0 | 3.0 | 99.8  | 23.0 | 1.0 | 22.8 | 120.0 | 3.0 | 119.7 |
| K125-13-6  | 良          | 22.0 | 1.0 | 22.1 | 20.0 | 1.0 | 19.8 | 100.0 | 3.0 | 99.6  | 23.0 | 1.0 | 23.0 | 120.0 | 3.0 | 119.4 |
| K125-13-6L | 良          | 30.0 | 1.0 | 29.7 | 20.0 | 1.0 | 20.4 | 100.0 | 3.0 | 98.9  | 23.0 | 1.0 | 23.2 | 120.0 | 3.0 | 119.3 |
| K130-10-10 | 良          | 30.0 | 1.0 | 30.5 | 20.0 | 1.0 | 19.5 | 105.0 | 3.0 | 105.8 | 25.0 | 1.0 | 24.2 | 125.0 | 3.0 | 125.3 |
| K130-13-10 | 良          | 22.5 | 1.0 | 22.6 | 15.0 | 0.5 | 14.7 | 105.0 | 3.0 | 106.7 | 41.5 | 2.0 | 41.7 | 120.0 | 3.0 | 121.4 |
| K130-13-13 | 良          | 30.0 | 1.0 | 30.3 | 20.0 | 1.0 | 20.2 | 105.0 | 3.0 | 105.1 | 23.0 | 1.0 | 23.1 | 125.0 | 3.0 | 125.3 |
| K135-10-6H | 良          | 30.0 | 1.0 | 29.5 | 16.0 | 0.5 | 15.8 | 114.0 | 3.0 | 114.2 | 30.0 | 1.0 | 29.9 | 130.0 | 3.0 | 130.0 |
| K145-10-6H | 良          | 30.0 | 1.0 | 29.8 | 16.0 | 0.5 | 15.7 | 124.0 | 3.0 | 124.3 | 30.0 | 1.0 | 30.0 | 140.0 | 3.0 | 140.0 |
| K150-10-10 | 良          | 30.0 | 1.0 | 30.0 | 20.0 | 1.0 | 20.2 | 125.0 | 3.0 | 124.9 | 25.0 | 1.0 | 24.8 | 145.0 | 3.0 | 145.1 |
| K150-13-10 | 良          | 22.5 | 1.0 | 22.4 | 15.0 | 0.5 | 14.7 | 125.0 | 3.0 | 125.6 | 41.5 | 2.0 | 41.5 | 140.0 | 3.0 | 140.3 |
| K150-13-13 | 良          | 30.0 | 1.0 | 30.5 | 20.0 | 1.0 | 20.6 | 125.0 | 3.0 | 124.8 | 23.0 | 1.0 | 23.1 | 145.0 | 3.0 | 145.4 |