

# 成形材料試験成績表

令和3年9月度



株式会社 未来樹脂



〒181-0013 東京都三鷹市下連雀3-38-4

三鷹産業プラザ5F

TEL:0422-70-4201 FAX:0422-43-1021

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        | 962   |
| マルチフローレート | JIS K 7210 | g/10min           | 1.5 以上 6.0 未満 | 5.4   |
| 引張降伏強さ    | JIS K 7161 | MPa               | 19.61 以上      | 27.76 |
| デュロメータD硬さ | JIS K 7215 | H <sub>D</sub> D  | 60 以上         | 63    |
| ヒカット軟化点   | 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形スペーサ 試験成績書

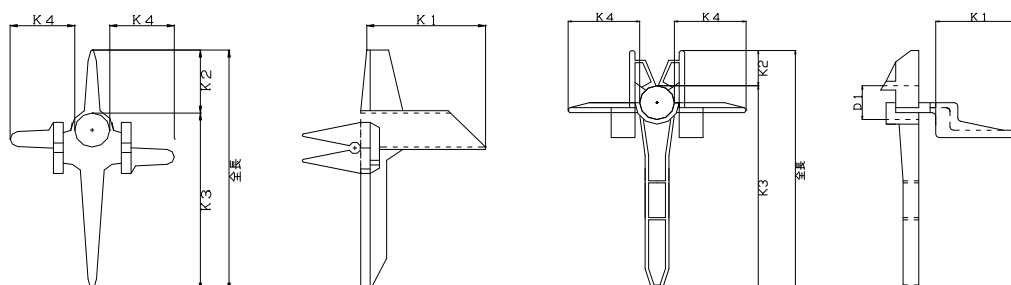
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| 種類        | 項目<br>外觀形状 | K1   |     |      | K2   |     |      | K3   |     |      | K4   |     |      | 全長   |     |      |
|-----------|------------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|
|           |            | 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   |
| 旧K30-3-3  | 良          | 20.0 | 1.0 | 19.1 | 11.0 | 0.5 | 11.0 | 18.0 | 0.5 | 17.7 | 20.0 | 1.0 | 20.6 | 29.0 | 1.0 | 28.7 |
| K30-3-3   | 良          | 30.0 | 1.0 | 30.0 | 11.0 | 0.5 | 11.2 | 18.0 | 0.5 | 17.9 | 20.0 | 1.0 | 20.7 | 29.0 | 1.0 | 29.1 |
| 旧K35-3-3  | 良          | 20.0 | 1.0 | 19.1 | 11.0 | 0.5 | 11.0 | 22.0 | 1.0 | 21.8 | 20.0 | 1.0 | 20.7 | 33.0 | 1.0 | 32.8 |
| K35-3-3   | 良          | 30.0 | 1.0 | 29.8 | 11.0 | 0.5 | 10.9 | 22.0 | 1.0 | 21.8 | 20.0 | 1.0 | 20.7 | 33.0 | 1.0 | 32.7 |
| 旧K40-3-3  | 良          | 20.0 | 1.0 | 19.9 | 11.0 | 0.5 | 11.0 | 27.0 | 1.0 | 27.1 | 20.0 | 1.0 | 20.6 | 38.0 | 1.0 | 38.1 |
| K40-3-3   | 良          | 30.0 | 1.0 | 29.9 | 11.0 | 0.5 | 11.3 | 27.0 | 1.0 | 27.2 | 20.0 | 1.0 | 20.7 | 38.0 | 1.0 | 38.5 |
| K40-5-4   | 良          | 30.0 | 1.0 | 29.6 | 15.0 | 0.5 | 15.1 | 23.0 | 1.0 | 22.9 | 19.0 | 0.5 | 18.9 | 38.0 | 1.0 | 38.0 |
| 旧K45-3-3  | 良          | 20.0 | 1.0 | 20.0 | 11.0 | 0.5 | 11.4 | 32.0 | 1.0 | 32.2 | 20.0 | 1.0 | 20.5 | 43.0 | 2.0 | 43.6 |
| K45-3-3   | 良          | 30.0 | 1.0 | 29.9 | 11.0 | 0.5 | 11.0 | 32.0 | 1.0 | 32.3 | 20.0 | 1.0 | 20.5 | 43.0 | 2.0 | 43.3 |
| K45-5-4   | 良          | 30.0 | 1.0 | 29.8 | 15.0 | 0.5 | 15.2 | 28.0 | 1.0 | 28.0 | 19.0 | 0.5 | 19.0 | 43.0 | 2.0 | 43.2 |
| K45-6-4   | 良          | 30.0 | 1.0 | 29.8 | 15.0 | 0.5 | 15.3 | 29.0 | 1.0 | 29.4 | 20.0 | 1.0 | 20.1 | 44.0 | 2.0 | 44.7 |
| 旧K50-4-4  | 良          | 20.0 | 1.0 | 20.0 | 15.0 | 0.5 | 15.5 | 33.0 | 1.0 | 32.3 | 20.0 | 1.0 | 20.3 | 48.0 | 2.0 | 47.8 |
| K50-4-4   | 良          | 30.0 | 1.0 | 29.8 | 15.0 | 0.5 | 15.5 | 33.0 | 1.0 | 32.3 | 20.0 | 1.0 | 20.4 | 48.0 | 2.0 | 47.8 |
| K50-5-4   | 良          | 30.0 | 1.0 | 29.6 | 15.0 | 0.5 | 15.1 | 33.0 | 1.0 | 32.7 | 19.0 | 0.5 | 19.2 | 48.0 | 2.0 | 47.8 |
| K50-6-4   | 良          | 30.0 | 1.0 | 29.9 | 15.0 | 0.5 | 15.4 | 33.0 | 1.0 | 33.3 | 20.0 | 1.0 | 20.2 | 48.0 | 2.0 | 48.7 |
| K50-6-6S  | 良          | 16.0 | 0.5 | 15.6 | 12.0 | 0.5 | 12.0 | 35.0 | 1.0 | 36.0 | 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 | 15.1 | 37.0 | 1.0 | 37.4 | 20.0 | 1.0 | 20.7 | 52.0 | 2.0 | 52.5 |
| K55-5-4   | 良          | 30.0 | 1.0 | 29.8 | 15.0 | 0.5 | 14.9 | 37.0 | 1.0 | 37.6 | 20.0 | 1.0 | 20.8 | 52.0 | 2.0 | 52.5 |
| K55-6-4   | 良          | 30.0 | 1.0 | 29.9 | 15.0 | 0.5 | 15.2 | 38.0 | 1.0 | 38.0 | 20.0 | 1.0 | 20.1 | 53.0 | 2.0 | 53.2 |
| K60-6-4   | 良          | 30.0 | 1.0 | 29.8 | 15.0 | 0.5 | 15.3 | 43.0 | 2.0 | 43.3 | 20.0 | 1.0 | 20.2 | 58.0 | 2.0 | 58.6 |
| K60-6-6JR | 良          | 30.0 | 1.0 | 29.7 | 17.0 | 0.5 | 17.0 | 41.0 | 2.0 | 40.5 | 29.0 | 1.0 | 28.3 | 58.0 | 2.0 | 57.5 |
| K60-6-6S  | 良          | 17.0 | 0.5 | 17.3 | 11.0 | 0.5 | 11.5 | 45.0 | 2.0 | 43.7 | 17.0 | 0.5 | 16.6 | 56.0 | 2.0 | 55.2 |
| K65-6-4   | 良          | 30.0 | 1.0 | 29.9 | 15.0 | 0.5 | 15.2 | 48.0 | 2.0 | 48.2 | 20.0 | 1.0 | 20.1 | 63.0 | 2.5 | 63.4 |
| K70-6-6   | 良          | 30.0 | 1.0 | 30.0 | 15.0 | 0.5 | 14.8 | 53.0 | 2.0 | 53.1 | 20.0 | 1.0 | 19.7 | 68.0 | 2.5 | 67.9 |
| K70-6-6P  | 良          | 25.0 | 1.0 | 24.7 | 16.0 | 0.5 | 16.2 | 51.0 | 2.0 | 50.9 | 27.0 | 1.0 | 26.6 | 67.0 | 2.5 | 67.1 |
| K70-10-10 | 良          | 18.0 | 0.5 | 17.9 | 9.0  | 0.5 | 9.3  | 58.0 | 2.0 | 57.8 | 22.0 | 1.0 | 22.1 | 67.0 | 2.5 | 67.1 |
| K74-6-6L  | 良          | 30.0 | 1.0 | 30.9 | 6.0  | 0.5 | 6.4  | 59.0 | 2.0 | 59.4 | 20.0 | 1.0 | 19.8 | 65.0 | 2.5 | 65.8 |
| K80-4-4L  | 良          | 30.0 | 1.0 | 29.8 | 6.0  | 0.5 | 6.4  | 57.0 | 2.0 | 57.4 | 22.0 | 1.0 | 21.6 | 63.0 | 2.5 | 63.8 |
| K80-6-6   | 良          | 30.0 | 1.0 | 29.1 | 15.0 | 0.5 | 14.8 | 63.0 | 2.5 | 64.1 | 20.0 | 1.0 | 20.1 | 78.0 | 2.5 | 78.9 |
| K80-6-6L  | 良          | 30.0 | 1.0 | 30.9 | 6.0  | 0.5 | 6.4  | 65.0 | 2.5 | 66.1 | 20.0 | 1.0 | 19.8 | 71.0 | 2.5 | 72.5 |
| 旧K80-10-6 | 良          | 20.0 | 1.0 | 20.4 | 8.0  | 0.5 | 8.3  | 69.0 | 2.5 | 69.0 | 10.0 | 0.5 | 9.5  | 77.0 | 2.5 | 77.3 |

| 項目<br>種類   | 外観形状 | 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 | 30.6 | 16.0 | 0.5 | 15.6 | 62.0  | 2.5 | 62.6  | 30.0 | 1.0 | 30.2 | 78.0  | 2.5 | 78.2  |
| K80-10-10  | 良    | 18.0 | 0.5 | 18.1 | 9.0  | 0.5 | 9.1  | 68.0  | 2.5 | 67.6  | 22.0 | 1.0 | 22.0 | 77.0  | 2.5 | 76.7  |
| K85-4-4L   | 良    | 30.0 | 1.0 | 30.1 | 6.0  | 0.5 | 6.4  | 64.0  | 2.5 | 63.6  | 22.0 | 1.0 | 21.7 | 70.0  | 2.5 | 70.0  |
| 旧K85-10-6  | 良    | 20.0 | 1.0 | 20.5 | 10.0 | 0.5 | 10.2 | 73.0  | 2.5 | 72.6  | 10.0 | 0.5 | 9.5  | 83.0  | 2.5 | 82.8  |
| K85-10-6   | 良    | 30.0 | 1.0 | 29.8 | 16.0 | 0.5 | 15.6 | 67.0  | 2.5 | 67.9  | 30.0 | 1.0 | 30.3 | 83.0  | 2.5 | 83.5  |
| K90-4-4L   | 良    | 30.0 | 1.0 | 30.2 | 6.0  | 0.5 | 6.4  | 69.0  | 2.5 | 69.2  | 22.0 | 1.0 | 21.8 | 75.0  | 2.5 | 75.6  |
| K90-4-4S   | 良    | 30.0 | 1.0 | 29.8 | 33.0 | 1.0 | 32.5 | 55.0  | 2.0 | 55.8  | 27.0 | 1.0 | 26.8 | 88.0  | 2.5 | 88.3  |
| K90-6-4    | 良    | 30.0 | 1.0 | 30.4 | 15.0 | 0.5 | 14.8 | 70.0  | 2.5 | 70.7  | 23.0 | 1.0 | 23.3 | 85.0  | 2.5 | 85.5  |
| K90-10-6H  | 良    | 30.0 | 1.0 | 30.6 | 16.0 | 0.5 | 15.8 | 69.0  | 2.5 | 69.7  | 30.0 | 1.0 | 30.0 | 85.0  | 2.5 | 85.5  |
| K90-10-6   | 良    | 20.0 | 1.0 | 19.1 | 15.0 | 0.5 | 15.4 | 70.0  | 2.5 | 70.6  | 23.0 | 1.0 | 23.1 | 85.0  | 2.5 | 86.0  |
| K90-10-6L  | 良    | 30.0 | 1.0 | 29.5 | 15.0 | 0.5 | 15.2 | 70.0  | 2.5 | 70.7  | 23.0 | 1.0 | 23.1 | 85.0  | 2.5 | 85.9  |
| K95-4-4S   | 良    | 30.0 | 1.0 | 29.4 | 33.0 | 1.0 | 32.8 | 60.0  | 2.5 | 60.2  | 27.0 | 1.0 | 26.5 | 93.0  | 3.0 | 93.0  |
| K95-6-6L   | 良    | 30.0 | 1.0 | 30.8 | 6.0  | 0.5 | 6.4  | 75.0  | 2.5 | 75.9  | 20.0 | 1.0 | 19.7 | 81.0  | 2.5 | 82.3  |
| K95-6-6S   | 良    | 30.0 | 1.0 | 30.1 | 17.0 | 0.5 | 17.0 | 76.0  | 2.5 | 75.7  | 29.0 | 1.0 | 28.3 | 93.0  | 3.0 | 92.7  |
| K95-10-6   | 良    | 30.0 | 1.0 | 29.6 | 20.0 | 1.0 | 20.2 | 70.0  | 2.5 | 70.7  | 23.0 | 1.0 | 22.4 | 90.0  | 3.0 | 90.9  |
| K95-10-6H  | 良    | 30.0 | 1.0 | 30.5 | 16.0 | 0.5 | 15.7 | 74.0  | 2.5 | 74.9  | 30.0 | 1.0 | 30.1 | 90.0  | 3.0 | 90.6  |
| K95-10-10  | 良    | 30.0 | 1.0 | 30.4 | 20.0 | 1.0 | 20.0 | 70.0  | 2.5 | 69.9  | 25.0 | 1.0 | 24.7 | 90.0  | 3.0 | 89.9  |
| K95-13-6   | 良    | 22.0 | 1.0 | 21.7 | 20.0 | 1.0 | 20.0 | 70.0  | 2.5 | 70.6  | 23.0 | 1.0 | 23.3 | 90.0  | 3.0 | 90.6  |
| K95-13-6L  | 良    | 30.0 | 1.0 | 30.2 | 20.0 | 1.0 | 20.3 | 70.0  | 2.5 | 70.5  | 23.0 | 1.0 | 23.3 | 90.0  | 3.0 | 90.8  |
| K95-13-13  | 良    | 30.0 | 1.0 | 29.9 | 18.0 | 0.5 | 18.5 | 72.0  | 2.5 | 71.6  | 23.0 | 1.0 | 23.2 | 90.0  | 3.0 | 90.1  |
| K100-10-6H | 良    | 30.0 | 1.0 | 30.7 | 16.0 | 0.5 | 15.5 | 79.0  | 2.5 | 79.1  | 30.0 | 1.0 | 30.0 | 95.0  | 3.0 | 94.6  |
| K100-10-6P | 良    | 25.0 | 1.0 | 24.6 | 15.0 | 0.5 | 15.5 | 81.0  | 2.5 | 80.0  | 25.0 | 1.0 | 24.9 | 96.0  | 3.0 | 95.5  |
| K100-10-10 | 良    | 30.0 | 1.0 | 29.5 | 19.0 | 0.5 | 18.5 | 76.0  | 2.5 | 77.0  | 24.0 | 1.0 | 23.8 | 95.0  | 3.0 | 95.5  |
| K100-13-10 | 良    | 22.5 | 1.0 | 22.4 | 15.0 | 0.5 | 14.7 | 75.0  | 2.5 | 76.2  | 41.5 | 2.0 | 41.5 | 90.0  | 3.0 | 90.9  |
| K100-13-13 | 良    | 22.0 | 1.0 | 21.8 | 15.0 | 0.5 | 15.5 | 80.0  | 2.5 | 79.8  | 23.0 | 1.0 | 22.4 | 95.0  | 3.0 | 95.3  |
| K105-6-6H  | 良    | 25.0 | 1.0 | 24.6 | 17.0 | 0.5 | 16.5 | 83.0  | 2.5 | 83.1  | 26.0 | 1.0 | 26.3 | 100.0 | 3.0 | 99.6  |
| K110-4-4S  | 良    | 30.0 | 1.0 | 29.6 | 43.0 | 2.0 | 43.1 | 65.0  | 2.5 | 65.1  | 27.0 | 1.0 | 26.6 | 108.0 | 3.0 | 108.2 |
| K110-6-6H  | 良    | 25.0 | 1.0 | 24.6 | 17.0 | 0.5 | 16.5 | 88.0  | 2.5 | 88.3  | 27.0 | 1.0 | 26.3 | 105.0 | 3.0 | 104.8 |
| K110-10-6  | 良    | 30.0 | 1.0 | 29.9 | 20.0 | 1.0 | 20.0 | 85.0  | 2.5 | 84.9  | 23.0 | 1.0 | 22.9 | 105.0 | 3.0 | 104.9 |
| K110-10-6H | 良    | 30.0 | 1.0 | 30.6 | 16.0 | 0.5 | 15.5 | 89.0  | 2.5 | 89.0  | 30.0 | 1.0 | 30.2 | 105.0 | 3.0 | 104.5 |
| K110-10-10 | 良    | 30.0 | 1.0 | 30.0 | 20.0 | 1.0 | 19.8 | 82.0  | 2.5 | 81.3  | 24.0 | 1.0 | 24.2 | 102.0 | 3.0 | 101.1 |
| K110-13-6  | 良    | 22.0 | 1.0 | 22.0 | 20.0 | 1.0 | 20.5 | 85.0  | 2.5 | 84.6  | 23.0 | 1.0 | 23.4 | 105.0 | 3.0 | 105.1 |
| K110-13-6L | 良    | 30.0 | 1.0 | 30.1 | 20.0 | 1.0 | 20.1 | 85.0  | 2.5 | 85.3  | 23.0 | 1.0 | 23.0 | 105.0 | 3.0 | 105.4 |
| K110-13-13 | 良    | 30.0 | 1.0 | 30.3 | 20.0 | 1.0 | 20.2 | 84.0  | 2.5 | 83.8  | 23.0 | 1.0 | 23.2 | 104.0 | 3.0 | 104.0 |
| K115-6-6H  | 良    | 25.0 | 1.0 | 24.6 | 17.0 | 0.5 | 16.5 | 93.0  | 3.0 | 93.2  | 27.0 | 1.0 | 26.4 | 110.0 | 3.0 | 109.7 |
| K120-6-6H  | 良    | 25.0 | 1.0 | 24.6 | 17.0 | 0.5 | 16.6 | 98.0  | 3.0 | 98.3  | 27.0 | 1.0 | 26.2 | 115.0 | 3.0 | 114.9 |
| K120-10-6H | 良    | 30.0 | 1.0 | 30.9 | 16.0 | 0.5 | 15.6 | 99.0  | 3.0 | 99.3  | 30.0 | 1.0 | 30.2 | 115.0 | 3.0 | 114.9 |
| K120-10-10 | 良    | 30.0 | 1.0 | 30.5 | 20.0 | 1.0 | 20.3 | 95.0  | 3.0 | 94.6  | 24.0 | 1.0 | 24.1 | 115.0 | 3.0 | 114.9 |
| K120-13-10 | 良    | 22.5 | 1.0 | 22.5 | 15.0 | 0.5 | 14.5 | 95.0  | 3.0 | 95.5  | 41.5 | 2.0 | 41.5 | 110.0 | 3.0 | 110.0 |
| K120-13-13 | 良    | 30.0 | 1.0 | 30.3 | 20.0 | 1.0 | 19.9 | 95.0  | 3.0 | 95.7  | 23.0 | 1.0 | 23.3 | 115.0 | 3.0 | 115.6 |
| K125-4-4S  | 良    | 30.0 | 1.0 | 29.4 | 48.0 | 2.0 | 47.2 | 75.0  | 2.5 | 74.2  | 27.0 | 1.0 | 26.9 | 123.0 | 3.0 | 121.4 |
| K125-10-6  | 良    | 30.0 | 1.0 | 29.8 | 20.0 | 1.0 | 19.7 | 100.0 | 3.0 | 100.4 | 23.0 | 1.0 | 22.5 | 120.0 | 3.0 | 120.1 |
| K125-13-6  | 良    | 22.0 | 1.0 | 22.0 | 20.0 | 1.0 | 20.3 | 100.0 | 3.0 | 99.7  | 23.0 | 1.0 | 23.2 | 120.0 | 3.0 | 120.0 |
| K125-13-6L | 良    | 30.0 | 1.0 | 30.1 | 20.0 | 1.0 | 19.7 | 100.0 | 3.0 | 99.0  | 23.0 | 1.0 | 23.3 | 120.0 | 3.0 | 118.7 |
| K130-10-10 | 良    | 30.0 | 1.0 | 30.7 | 20.0 | 1.0 | 19.6 | 105.0 | 3.0 | 105.5 | 25.0 | 1.0 | 24.2 | 125.0 | 3.0 | 125.1 |
| K130-13-10 | 良    | 22.5 | 1.0 | 22.8 | 15.0 | 0.5 | 14.6 | 105.0 | 3.0 | 105.9 | 41.5 | 2.0 | 41.4 | 120.0 | 3.0 | 120.5 |
| K130-13-13 | 良    | 30.0 | 1.0 | 30.3 | 20.0 | 1.0 | 20.0 | 105.0 | 3.0 | 105.6 | 23.0 | 1.0 | 23.5 | 125.0 | 3.0 | 125.6 |
| K135-10-6H | 良    | 30.0 | 1.0 | 30.1 | 16.0 | 0.5 | 15.5 | 114.0 | 3.0 | 114.2 | 30.0 | 1.0 | 30.0 | 130.0 | 3.0 | 129.7 |
| K145-10-6H | 良    | 30.0 | 1.0 | 29.6 | 16.0 | 0.5 | 15.5 | 124.0 | 3.0 | 123.4 | 30.0 | 1.0 | 29.7 | 140.0 | 3.0 | 138.9 |
| K150-10-10 | 良    | 30.0 | 1.0 | 30.7 | 20.0 | 1.0 | 19.5 | 125.0 | 3.0 | 123.6 | 25.0 | 1.0 | 24.4 | 145.0 | 3.0 | 143.1 |
| K150-13-10 | 良    | 22.5 | 1.0 | 22.8 | 15.0 | 0.5 | 14.8 | 125.0 | 3.0 | 125.3 | 41.5 | 2.0 | 41.5 | 140.0 | 3.0 | 140.1 |
| K150-13-13 | 良    | 30.0 | 1.0 | 30.7 | 20.0 | 1.0 | 20.6 | 125.0 | 3.0 | 124.0 | 23.0 | 1.0 | 23.1 | 145.0 | 3.0 | 144.6 |