



THE GILL CORPORATION

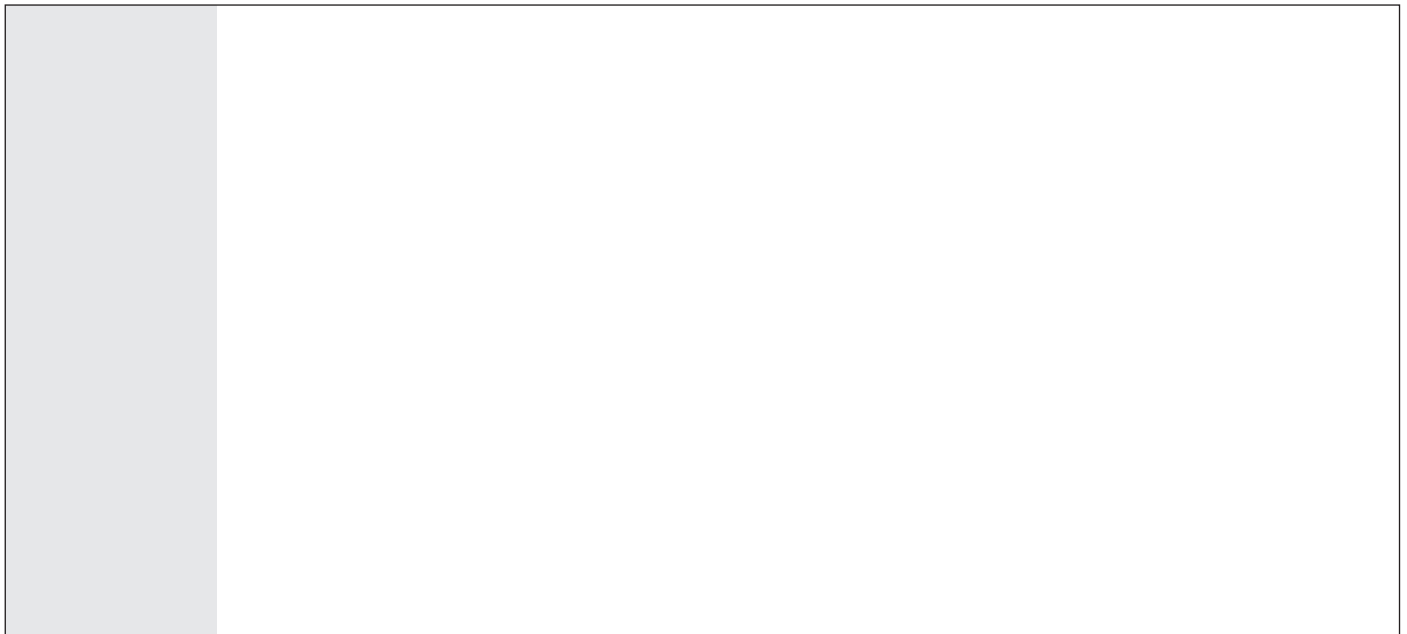
DESCRIPTION

Gillcore® HK is a para-aramid fiber reinforced honeycomb which is coated with heat resistant phenolic resin. Para-aramid honeycomb core anrræinm



SPECIFICATIONS

- Gillcore® para-aramid hTP.316 0 Td(a)9-.594 0 Td(l)TP.261 0 Td(C)TP.706 0 Td(A)TP.631CQB 0 Td(a)TP.539 .539 .539 .539649 0 Td(3)TP.1





| Gillcore® HK Honeycomb Description | Gillcore® HK Honeycomb Configuration | Cell Size | Density | Compressive | | | | Plate Shear | | | | | |
|---|---|--------------|-------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|--------------------|-----------------------|--------------------|
| | | | | Bare | | Stabilized | | L Direction | | | W Direction | | |
| | | | | Strength | | Strength | | Strength | | Modulus | Strength | | Modulus |
| | | | | Typical Average | Typical Individual | Typical Average | Typical Individual | Typical Average | Typical Individual | Typical Average | Typical Average | Typical Individual | Typical Average |
| | | mm | kg/m ³ | Mpa | Mpa | Mpa | Mpa | Mpa | Mpa | Gpa | Mpa | Mpa | Gpa |
| HK-1/8-1.8 | HK110 | 3.2 | 29 | 0.49 | 0.45 | 0.84 | 0.79 | 0.58 | 0.54 | 0.05 | 0.36 | 0.36 | 0.03 |
| HK-1/8-2.5 | HK1061 | 3.2 | 40 | 1.98 | 1.65 | 2.21 | 2.05 | 1.87 | 1.71 | 0.12 | 1.07 | 1.01 | 0.05 |
| HK-1/8-3.0 | HK131 | 3.2 | 48 | 2.69 | 2.35 | 2.91 | 2.43 | 1.94 | 1.70 | 0.12 | 1.01 | 0.87 | 0.06 |
| HK-1/8-3.0* | HK132 | 3.2 | 48 | 2.60 | 2.38 | 2.78 | 2.58 | 2.09 | 1.90 | 0.15 | 1.13 | 1.04 | 0.07 |
| HK-1/8-4.0 | HK141 | 3.2 | 64 | 3.98 | 3.30 | 4.33 | 4.06 | 2.49 | 2.32 | 0.14 | 1.42 | 1.35 | 0.07 |
| HK-1/8-4.5 | HK1033 | 3.2 | 72 | 5.13 | 4.77 | 5.26 | 4.90 | 3.82 | 3.63 | 0.21 | 2.10 | 1.99 | 0.09 |
| HK-1/8-6.0 | HK162 | 3.2 | 96 | 7.79 | 6.93 | 8.20 | 7.32 | 3.61 | 3.42 | 0.19 | 2.49 | 2.33 | 0.10 |
| HK-1/8-6.0* | HK163 | 3.2 | 96 | 8.18 | 7.58 | 8.58 | 8.06 | 4.28 | 3.96 | 0.26 | 2.87 | 2.69 | 0.12 |
| HK-5/32-2.5 | HK2061 | 4.0 | 40 | 1.94 | 1.79 | 2.14 | 1.97 | 1.60 | 1.41 | 0.10 | 0.93 | 0.81 | 0.06 |
| HK-5/32-6.0 | HK262 | 4.0 | 96 | 7.30 | 6.86 | 8.01 | 7.45 | 3.56 | 3.46 | 0.18 | 2.71 | 2.60 | 0.10 |
| HK-3/16-2.0 | HK322 | 4.8 | 32 | 2.23 | 2.00 | 2.45 | 2.32 | 2.22 | 2.00 | 0.13 | 1.16 | 1.07 | 0.06 |
| HK-3/16-2.5-OX | HK3061O | 4.8 | 40 | 1.44 | 1.23 | 1.50 | 1.28 | 1.05 | 0.95 | 0.05 | 1.02 | 0.90 | 0.08 |

*Made using thicker para-aramid paper than the similar item above.

Flammability: Gillcore® HK honeycomb meets the flammability requirements of BMS 8-124.

Water migration: Gillcore® HK honeycomb does not exceed 1 cell migration in 24 hours when tested per BMS 8-124.

Figures shown reflect typical values and should not be used as design specifications.

Updated: 12/12/23

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