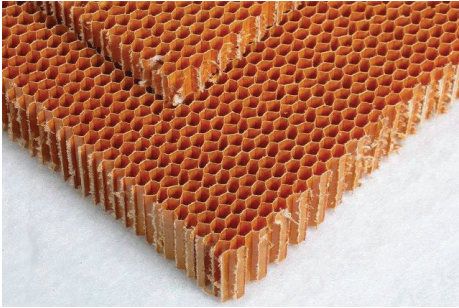


Standard Cell Aramid Honeycomb



The .060" Standard Cell Aramid Honeycomb is a lightweight, high strength, nonmetallic honeycomb core material manufactured from meta-aramid fiber paper with a 1/8" hexangular cell and density of 1.8 pounds per cubic foot (PCF). After the honeycomb is formed, it is coated with a heat resistant phenolic resin to increase its strength and thermal properties. It exhibits high strength-to-weight ratio, exceptional stiffness, and is very bondable.

Physical Properties

| | |
|--|---|
| Cell Size | 1/8" +/-10% |
| Density | 1.8 PCF +/- 10% |
| Thickness | .060" +/- .006" |
| Material | Meta-Aramid paper-Aerospace Grade |
| Meta-Aramid paper Aerospace Grade Features | <ul style="list-style-type: none"> - Fire resistant (self extinguishing) - High strength to weight ratio - Corrosion resistant - Excellent dielectric properties - Thermally insulating - High toughness - Excellent creep and fatigue performance - Good thermal stability |

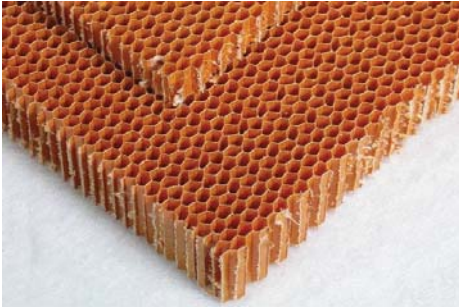
Technical Properties

| | |
|----------------------------------|---------|
| Compressive Bare Strength | 102 psi |
| Plate Shear Strength-L Direction | 87 psi |
| Plate Shear Modulus-L Direction | 4 ksi |
| Plate Shear Strength-W Direction | 49 psi |
| Plate Shear Modulus-W Direction | 1.7 ksi |

Tested at 0.500°T per AMS STD 401 at room temperature.

All the information contained in these properties is believed to be reliable. It is intended for comparison purposes only as each manufactured lot will exhibit variations. The user should evaluate the suitability of each product for their application. We cannot anticipate the variations in all end use and we make no warranties and assume no liability in connection with the use of this information.

Standard Cell Aramid Honeycomb



The 3PCF Standard Cell Aramid Honeycomb is a lightweight, high strength, nonmetallic honeycomb core material manufactured from aramid fiber paper with a 1/8" hexangular cell and density of 3 pounds per cubic foot (PCF). After the honeycomb is formed, it is coated with a heat resistant phenolic resin to increase its strength and thermal properties. It exhibits high strength-to-weight ratio, exceptional stiffness, and is very bondable.

Physical Properties

| | |
|---|--|
| Cell Size | 1/8" +/-15% |
| Density | 3 PCF +/- 15% |
| Thickness | +/- .006" up to 2" |
| Material | Meta-Aramid paper-Commercial Grade |
| Meta-Aramid paper Commercial Grade Features | <ul style="list-style-type: none"> - High strength to weight ratio - Corrosion resistant - Excellent dielectric properties - Thermally insulating - High toughness - Excellent creep and fatigue performance - Good thermal stability |

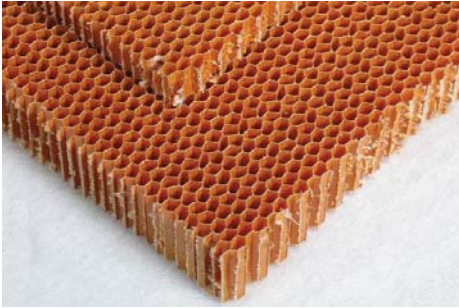
Technical Properties

| | |
|----------------------------------|-----------|
| Compressive Bare Strength | 272.7 psi |
| Plate Shear Strength-L Direction | 176.6 psi |
| Plate Shear Modulus-L Direction | 6.0 ksi |
| Plate Shear Strength-W Direction | 90 psi |
| Plate Shear Modulus-W Direction | 3.42 ksi |

Tested at 0.500*T per AMS STD 401 at room temperature.

All the information contained in these properties is believed to be reliable. It is intended for comparison purposes only as each manufactured lot will exhibit variations. The user should evaluate the suitability of each product for their application. We cannot anticipate the variations in all end use and we make no warranties and assume no liability in connection with the use of this information.

Standard Cell Aramid Honeycomb



The 3PCF Standard Cell Aramid Honeycomb is a lightweight, high strength, nonmetallic honeycomb core material manufactured from aramid fiber paper with a 1/8" hexangular cell and density of 3 pounds per cubic foot (PCF). After the honeycomb is formed, it is coated with a heat resistant phenolic resin to increase its strength and thermal properties. It exhibits high strength-to-weight ratio, exceptional stiffness, and is very bondable.

Physical Properties

| | |
|--|--|
| Cell Size | 1/8" |
| Density | 3 PCF |
| Thickness | +/- .006" up to 2" |
| Material | Nomex® Paper-Commercial Grade |
| Nomex® Paper-Commercial Grade Features | <ul style="list-style-type: none"> - High strength to weight ratio - Corrosion resistant - Excellent dielectric properties - Thermally insulating - High toughness - Excellent creep and fatigue performance - Good thermal stability |

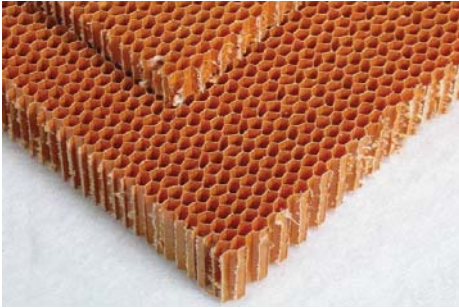
Technical Properties

| | |
|----------------------------------|---------|
| Compressive Strength Bare | 275 psi |
| Compressive Strength Stabilized | 300 psi |
| Plate Shear Strength-L Direction | 150 psi |
| Plate Shear Strength-W Direction | 90 psi |

All tests are per MIL--STD--401B, at core thickness of .500".
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Standard Cell Aramid Honeycomb



The 3PCF Standard Cell Aramid Honeycomb is a lightweight, high strength, nonmetallic honeycomb core material manufactured from aramid fiber paper with a 1/8" hexangular cell and density of 3 pounds per cubic foot (PCF). After the honeycomb is formed, it is coated with a heat resistant phenolic resin to increase its strength and thermal properties. It exhibits high strength-to-weight ratio, exceptional stiffness, and is very bondable.

Physical Properties

| | |
|--|---|
| Cell Size | 1/8" +/-10% |
| Density | 3 PCF +/- 15% |
| Thickness | +/- .006" |
| Material | Nomex® Paper-Commercial Grade |
| Nomex® Paper-Commercial Grade Features | <ul style="list-style-type: none"> - High strength to weight ratio - Excellent flame resistance, low smoke generation - Good water resistance - Good thermal stability and strength retention - Superior dielectric properties - Strong bonding surface for sandwich construction - Corrosion resistant - Good sound, heat and noise insulation |

Technical Properties

| | |
|----------------------------|---------|
| Compressive Strength | 276 psi |
| Shear Strength-L Direction | 175 psi |
| Shear Strength-W Direction | 88 psi |

The above data is based on limited testing of specimens 5" thick at room temperature.
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