

| Typical Data | x | PA 20 | PA 23 | PA 26 |
|---|--|-------|-------|-------|
| ASTM Classification | | 20 | 23 | 23 |
| Temperature Use Limit | °F | 2000 | 2300 | 2600 |
| (Normal oxidizing atmosphere) | °C | -1093 | -1260 | -1427 |
| Density | lb/ft ³ | 39 | 44 | 49 |
| ASTM C 134 | kg/m ³ | -625 | -705 | -785 |
| | lb/BEq | 2.3 | 2.6 | 2.5 |
| Modulus of Rupture | psi | 85 | 115 | 180 |
| ASTM C 133 | kg/cm ² | -6 | -8 | -12 |
| Cold Crushing of Strength | psi | 95 | 140 | 240 |
| ASTM C 133 | kg/cm ² | -7 | -10 | -17 |
| Permanent Linear Change | % | | | |
| ASTM C 210 | | | | |
| 24 hrs at soaking temp: °F (°C) | | | | |
| 2250 (12320) | | 0 | 0 | - |
| 2550 (1399) | | - | - | -0.1 |
| Reversible Linear Thermal Expansion | % | | | |
| at 2000°F (1093°C) | | 0.06 | 0.06 | 0.6 |
| Hot Load Strength | % | | | |
| ASTM C 16 | deformation | | | |
| 10 psi load for 11/2 hours: °F (°C) | | | | |
| 2000 (1093) | | -0.5 | -0.5 | - |
| 2200 (1204) | | - | - | -0.2 |
| Maximum Mean Temperature °F | | 1800 | 2100 | 2200 |
| Thermal Conductivity | Btu-in/ft ² , hr, °F (W/mk) | | | |
| ASTM C 182 | | | | |
| Mean temperature, °F (°C) | | | | |
| 500 (260) | | 1.4 | 1.6 | 2.1 |
| | | -0.2 | -0.23 | -0.3 |
| 1000 (538) | | 1.8 | 2 | 2.4 |
| | | -0.26 | -0.29 | -0.35 |
| 1500 (816) | | 2.2 | 2.4 | 2.7 |
| | | -0.32 | -0.35 | -0.39 |
| 2000 (1093) | | 2.4 | 2.6 | 2.9 |
| | | -0.35 | -0.37 | -0.42 |
| To convert Btu-in/ft ² , hr, °F to Kcal-m ² , hr, °C, multiply by 0.124. | | | | |
| Chemical Analysis | | | | |
| Alumina - Al ₂ O ₃ | | 42.5 | 42.5 | 40.1 |
| Silica - SiO ₂ | | 51.5 | 51.5 | 57 |
| Ferric Oxide - Fe ₂ O ₃ | | 0.7 | 0.7 | 0.7 |
| Titanium Oxide - Ti ₂ O ₂ | | 1.5 | 1.5 | 1.5 |
| Calcium Oxide - CaO | | 2.5 | 2.5 | 0.3 |
| Magnesium Oxide - MgO | | 0.1 | 0.1 | 0.1 |
| Alkalies, as Na ₂ O & K ₂ O | | 1 | 1 | 0.4 |