

Open Cell Rigid Foam

Open cell rigid foam is a composite foam made of urethanes, epoxies and structural fillers. Cell size ranges from 1.5 to 2.5mm in diameter and is more variable than solid or cellular polyurethane foams. Variation in foam density is $\pm 10\%$ and is available in a range of densities from 0.09g/cc to 0.32 g/cc (5.5pcf to 20pcf).

| DENSITY | | | COMPRESSION | |
|------------|--------|-----------------|----------------|---------------|
| ASTM D1622 | | Volume Fraction | ASTM D1621 | |
| (pcf) | (g/cc) | | Strength (MPa) | Modulus (MPa) |
| 5.5 | 0.09 | 0.08 | 0.11 | 6.2 |
| 7.5 | 0.12 | 0.11 | 0.28 | 18.6 |
| 10 | 0.16 | 0.14 | 0.53 | 35 |
| 15 | 0.24 | 0.15 | 0.67 | 53 |
| 20 | 0.32 | 0.21 | 1.3 | 105 |