Roof Open Drainage Tile
Sku ADT-32x32x1

Anchor Platforms (13 Total)

AirDrain Geocell

Yellow Indicator Tab

Unit Panel Specifications:
- Size: 32" x 32" x 1"
- Weight: 3.1 lb
- Strength: 233 psi (unfilled)
- Resin: 100% Recycled (PIR)
  Copolymer with Impact Modifier
  "No Break" Polymer Material
- Color: Black
  (3% carbon black added for UV Protection)

Roof Open Drainage Tile Cross Section
Typical

Scale 0.12:1
Drawing No. ADCS002.dwg
## Roof Open Drainage Tile General Information

### General
- **Construction**: Injection Molded Copolymer
- **Composition**: Copolymer Polypropylene Using an Impact Modifier
- **Dimensions**: 31.784” x 31.880” x 1.000” (7.03 sq ft.)
- **Unit Weight**: 3.1 lbs.
- **Material**: Resin Pellets

### Shipping
- **Parts Per Pallet**: 114
- **Pallet Dimensions**: 33” x 33” x 48”
- **Pallet Weight**: 390 lbs.
- **Area Coverage Per Pallet**: 798 sq. ft.
- **Pallets Per Trailer**: 114 (3 wide x 2 tall x 19 deep)
- **Area Covered Per Trailer**: 90,972 sq. ft.

### ASTM and ISO Properties

#### Physical
- **Specific Gravity**: 0.940 ASTM D792
- **Melt Mass-Flow Rate (230°C/2.16 kg)**: 20 g/10 min ASTM D1238

#### Mechanical
- **Density**: 57.490 lb/ft³ ASTM D1505
- **Tensile Strength (Yield, 73°F)**: 2,145 psi ASTM D638
- **Tensile Elongation (Yield, 73°F)**: 16% ASTM D638
- **Flexural Modulus (73°F)**: 100,175 psi ASTM D790
- **Compression Strength (73°F)**: 233 psi unfilled ASTM D6254

#### Impact
- **Notched Izod Impact (73°F, 0.125 in)**: ASTM D256

#### Thermal
- **Deflection Temperature Under Load 264 psi, Unannealed**: 160°F ASTM D648

### Expansion/Contraction Index

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F</td>
<td>98%</td>
</tr>
<tr>
<td>-5°F</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>.116”</td>
<td>31.811”</td>
</tr>
<tr>
<td>.104”</td>
<td>31.713”</td>
</tr>
</tbody>
</table>

| Joint Expansion/Contraction Capacity | .420” | .572” |
| Safety Factor                          | 362%  | 550%  |

### Examples of Usage

<table>
<thead>
<tr>
<th>Application</th>
<th>Required Strength</th>
<th>Safety Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td>40 psi</td>
<td>x 168</td>
</tr>
<tr>
<td>Truck</td>
<td>110 psi</td>
<td>x 61</td>
</tr>
</tbody>
</table>

---

1 Independent laboratory testing conducted by TRI/Environmental, Inc., TSI/Testing Services, Inc. and Wassenaar.