

### Offset Fluted Fills for Counter Flow Towers

**Dura-Pac OF21** is Raschig USA's Offset-Fluted modular film fill media manufactured of rigid PVC sheets which conform to CTI STD-136 for cooling tower heat transfer applications. OF21 combines the low fouling traits of vertical flow media with similar water distribution of cross-fluted film fill while offering similar thermal performance to XF48. Typically used in factory-assembled and field-erected applications where water contains a moderate level of suspended solids.



**Dura-Pac OF21**

#### Characteristics of Dura-Pac OF21:

- Manufactured of UV protected PVC sheets for long life.
- Material exceeds Cooling Technology Institute (CTI) Standard 136
- Exceptional thermal performance.
- Enhanced water redistribution throughout the pack.
- Solvent bonded for maximum sheet-to-sheet bond strength.
- Surface area (heat transfer area) of 45 ft<sup>2</sup>/ft<sup>3</sup> (147.6 m<sup>2</sup>/m<sup>3</sup>)
- Available in 12", 24" and 48" depths, lengths up to 12 ft and widths from 6" to 24".
- Sheet spacing is 21mm (0.83"), 14 sheets per foot width.
- Typical product dry weight:
  - 1.5 lbs/ft<sup>3</sup> for 10 mil AF (after forming) standard sheet thickness
  - 2.0 lbs/ft<sup>3</sup> for 15 mil AF standard sheet thickness

**Dura-Pac PVC Material Specifications:** Individual sheet used in the manufacture of the media modules shall conform to commercial standards ANSI/ASTM D1784:12454B with the following physical properties when tested in accordance with the method indicated:

| Property                | Test Method   | Unit                   | Typical Value                       |
|-------------------------|---------------|------------------------|-------------------------------------|
| Specific Gravity        | D792          | g/cm <sup>3</sup>      | 1.39 - 1.45                         |
| Tensile Strength        | D638 / D882   | psi                    | 5,500 min.                          |
| Flexural Modulus        | D790          | psi                    | 350,000 min.                        |
| Flexural Strength       | D790          | psi                    | 10,000 min.                         |
| Stiffness in Flexure    | D747          | psi                    | 425,000 min.                        |
| Gardner Impact Strength | D4226 Proc. B | in. lbs. / mil         | 1.2 min.                            |
| Tensile Impact Strength | D1822         | Ft.lbs/in <sup>2</sup> | 255 min.                            |
| Heat Deflection         | D648          | °F                     | 162 min.                            |
| Flammability            | D635          |                        | self-extinguishing less than 5 sec. |