

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 ft²/ft³ (147.6 m²/m³)
- 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/ft³ for 10 mil AF (after forming) standard sheet thickness
 - 2.0 lbs/ft³ 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 ³	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 ²	255 min.
Heat Deflection	D648	°F	162 min.
Flammability	D635		self-extinguishing less than 5 sec.