



## USF TMD-6 MIXED BED RESIN

### Description:

USF TMD-6 consists of a volume mix of 40% TCD-1 and 60% A-399 and removes essentially all ions except silica and free CO<sub>2</sub>. The dyed cation resin component of this mixed bed is self-indicating to determine resin exhaustion.

### Chemical Properties

Ionic Form	Hydrogen / Free base
Moisture Content	56% max. (H form cation) / 50% max. (free base form anion)
Conductivity Differential	100 $\mu$ mho (0.2 - 1.0 bed volumes)
pH	8 maximum

### Physical Properties

Color	Purple cation resin turns amber upon exhaustion
Screen Size	
+ 16 Mesh	5% (maximum)
- 50 Mesh	3% (maximum)
Shipping Weight	44 lbs. / cu. ft.
Whole Beads (%)	90 minimum
Packaging	5 cu. ft. drums (standard)

### Operating Conditions

Operating Capacity	Approx. 14 kilograins (as CaCO <sub>3</sub> ) / ft <sup>3</sup>
Maximum Operating Temperature	140°F*

\*Note: Cartridge housing may have a lower maximum operating temperature