

PRODUCT DATA SHEET

Puromet™ MTS9200

Polystyrenic Macroporous,
Isothiuronium Chelating Resin,
Non-Regenerable

PRINCIPAL APPLICATIONS

- Mercury Removal
- Precious Metals Recovery
- Gold Recovery



SYSTEMS

- Non-Regenerable
- Acidic liquors and pulps

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Isothiuronium
Ionic Form	H ⁺ form
Mercury Capacity (min.)	275 g/L
Moisture Retention	48 - 54 % (H ⁺ form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, H ⁺ → Hg (max.)	5 %
Specific Gravity	1.11
Shipping Weight (approx.)	700 - 735 g/L (43.8 - 45.9 lb/ft³)
Temperature Limit	60 °C (140.0 °F)
pH limits, Operating	0 - 7