

# Purolite® CT275DR

Polystyrenic Macroporous, Strong  
Acid Cation Resin, Hydrogen form,  
Catalyst, Dry

## PRINCIPAL APPLICATIONS

- MTBE Production
- TAME Production
- C4 dimer process

## TYPICAL PACKAGING

- 5 ft<sup>3</sup> Drum (Fiber)

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	H <sup>+</sup> form
Dry Weight Capacity (min.)	5.2 eq/kg
Residual Moisture (max.)	3 %
Particle Size Range (wet)	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformity Coefficient (max.)	1.7
Surface Area	20 - 40 m <sup>2</sup> /g
Pore Volume	0.4 - 0.6 mL/g
Median Pore Diameter	400 - 700 Å
Surface Acidity Acid Strength	60 kJ mol <sup>-1</sup>
Specific Gravity	1.2
Temperature Limit	180 °C (356.0 °F)



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