

GCT-100D

Gel Type, Catalyst Resin

Product Description & Applications

G-ion GCT-100D It is well suited for polymerization, epoxidation and peroxidation as catalyst. Dry Resin can enable maximum removal of residual glycerin and trace methanol and water, as well as salts, catalyst, and soaps from crude Bio-Diesel.



Typical Physical & Chemical Characteristics

Polymer Matrix Structure	Polystyrene crosslinked with DVB
Functional Group	R-(SO ₃)-M+
Ionic Form, as shipped	Cl-
Physical Form And Appearance	Clear Spherical Beads
Puerility	95% min.
Screen Size Range-U.S. Standard Screen	16-50 mesh, wet
Particle Size Range	0.315-1.25mm
Uniformity Coefficient	1.6 max.
Water Retention, Na+ form	43-48%
Swelling Na ⁺ H ⁺ → Ca ²⁺ → Na ⁺	10% max. 5% max.
Shipping Weight, Na+ form	780-880 g/l (51 lbs/cu.ft, approx.)
Total Exchange Capacity, Na+ form	2.0 eq/l min.
pH Range	0-14