

Product Information

Purocel 505

NextGen Adsorbent for organic chloride removal from pyrolysis oil

PRODUCT DESCRIPTION

NextGen Adsorbent for organic chloride removal from pyrolysis oil

Typical Properties

Property	Unit	Value
Bulk Density	lb /ft ³	≥45
Chemical Name		Mixed Metal Oxide
Crush Strength	lb	≥6-22
Particle Size		1.5 mm (1/16"), 3 mm (1/8")
Product Form		Spherical

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Very effective deep dechlorination specifically for organic chloride from pyrolysis oil produced from mixed plastic waste to make it suitable for feeding it into the cracker plant or refineries.

Product Composition

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Aluminum Oxide + Promoters	%	~99.6
Sodium Oxide (Na ₂ O) Content	%	≤0.29
Silicon Dioxide (SiO ₂) Content	%	0-0.01

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- Deep dechlorination
- Bulk removal of organic chloride
- High chloride loading capacity

PACKAGING

907.2 kg (2000 lb) supersacks

Steel Drums

STORAGE

The material is stored in its original containers/packaging in a dry, covered location protected

from the ambient environment

- The material is protected from direct exposure to sunlight and rain (prolonged exposure to direct sunlight may degrade the packaging)
- The material is not subjected to temperatures exceeding 450°F/230°C while in storage
- The material is stored elevated off the ground to ensure that there is no exposure to liquid water
- Once the material is loaded into the vessel, a thorough nitrogen purge is recommended to remove excessive free moisture
- Desiccant products intended for regenerative service will require a complete thermal regeneration cycle (in TSA service) or several pressure swing cycles (in PSA service) before full activity is restored

SHELF LIFE

5 years in original packaging stored in a dry, covered area

Disclaimer

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