



Tricalcium Phosphate Applications

CATEGORY	EXAMPLE	APPLICATIONS	PCHA 10	PCHA 20	PCHA 100	Micro-Flo	PCHA 600
Baking	Flour, cake, and cookie mixes	Anti-caking agent, flow agent, calcium/phosphorus fortification, leavening agent, treatment agent	•	•	•	•	•
Bath and Beauty	Personal care items i.e. foot powder, baby powder, natural deodorant	Anti-caking agent, odor absorbent	•	•	•	•	
Beverages	Dry mixes, fruit juices, soy beverages, liquid supplements	Calcium/phosphorus fortification, anti-caking agent, clouding agent, buffer, acidity regulator	•	•	•		
Ceramic	Bone china, ceramics	Coloring agent, Impart opalescent	•	•	•	•	•
Cosmetics	Lipstick, lip gloss, eye shadow, stick foundations	Filler, binder, dispersant, buffering agent, pH stabilizer	•	•	•		
Dairy	Cheese, bars, yogurt	Calcium/phosphorus fortification, anti-caking agent, emulsifier, buffer, stabilizer, flavor/protein dispersant, reduce sodium, smoothing agent	•	•	•		
Fats/Oils	Deep frying oil	Stabilizer	•	•	•	•	
Food	Crackers, chocolate candy, cereals, soups, nutritional foods	Calcium/phosphorus fortification, anti-caking agent, flow agent, binding agent	•	•	•	•	•
	Jellies, jams, gelatins	Interact with gelling agent to firm	•	•	•	•	•
Hygroscopic Food Products	Table salt, salt substitute, sugary products, baking powder	Flow conditioning, humectants			•	•	
Industrial Chemicals	Coating	Free-flow agent in powder finished goods, release agent			•	•	
Infant Food	Formula, baby & toddler food	Calcium/phosphorus fortification	•		•		
Mold Release Agent	Aluminum mold release agent	Releasing agent			•		
Meat	Poultry, ham, smoked chops	Moisture retention, marinate	•	•	•	•	•
Oven Proof Bake Ware	Ceramic bake ware	Impart heat resistance			•	•	
Pet Foods	Dog food, cat food, pet vitamins	Calcium/phosphorus fortification, emulsifier	•	•	•	•	•
Photocopier Toner	Toner	Dispersing agent	•				
Polystyrene	Styrofoam	Suspension agent, polymerization aid	•	•			
Refractory	Linings for furnaces, kilns, incinerators, reactors	Binding agent	•	•	•	•	
Seasoning/Dry Mixes/Blends	Marinades, salt substitutes, gravy mixes, seasoning mixes, soups, drink mixes, fine vacuum salt	Anti-caking agent, free flow agent, calcium/phosphorus fortification, binding, desiccant, conditioning agent, emulsifier	•	•	•	•	
Toothpaste	Toothpaste	Polishing agent, whitening agent, controls delivery of calcium and phosphate ions to the teeth			•		

PCHA 10
Ultra Fine
Particle Size: 10.0 um max
Bulk Density 15lb/R³
Packed Density 20lb/R³
Through 325 99.9%min
d98 less than 10.0 um
d50 less than 2.85 um

PCHA 20
Fine
Particle Size: 20.0 um max
Bulk Density 16lb/R³
Packed Density 21lb/R³
Through 325 99%min

PCHA 100
Regular
Particle Size: 100.0 um max
Bulk Density 22lb/R³
Packed Density 31lb/R³
Through 325 95%min

PCHA 400
Coarse
Particle size: 600.0 um max
Bulk Density 50lb/R³
Packed Density 54lb/R³
Held on 20 1.0%max
Held on 100 40-80%

PCHA 600
Coarse
Particle size: 600.0 um max
Bulk Density 45lb/R³
Packed Density 63lb/R³
Held on 20 0.2%max
Held on 100 40-70%

Planning toward a healthier tomorrow...

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