

What's Your Target Size?



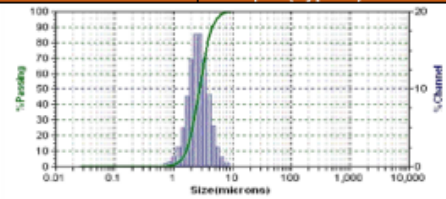
In your Expandable Polystyrene Foam, what particle size TCP is the optimum flow agent?

NEI offers a variety of standard and custom particle sizes to maximize your EPS process.

How Could TriCalcium Phosphate Improve Your EPS Process?

PCHA10

Formula:	Ca ₃ (PO ₄) ₂ (OH)	PCHA10 (Ultra Fine)
Product:	Tricalcium Phosphate (TCP) Calcium Hydroxyapatite; Calcium Phosphate; Tribasic; Food Grade,	
MW:	1004.69 g/mol	Particle Size: 10.0 µm max
CAS#:	7758-87-4; 1306-06-562974-97-4; 12167-74-7	Bulk Density: 15lb/ft ³
Appearance:	White, free flowing powder	Packed Density: 20lb/ft ³
Taste:	Tasteless	Through 325: 99.9%min
Odor:	Odorless	d90 less than: 10.0 µm (Typical)
Solubility:	Almost insoluble in water	d50 less than: 2.85 µm (Typical)
Shelf Life:	Shelf life 3 Years	
Storage:	Store in cool dry place.	



Chemical/Physical Parameters			ADDITIONAL PARAMETERS	
Analysis	Specification	Typical	Bovine Constituents	None
Assay Ca	34.0-40%	38%	Recombinant DNA	None
Arsenic	<3.0ppm	<1.0ppm	Hormones/Antibiotics	None
Fluoride	<75.0ppm	<50ppm	Insecticides	None
Lead	<2.0ppm	<0.5ppm	GMO's	None
Loss on Drying	N/A	1.7-3.0%	Artificial Colors	None
Loss on ignition	<10.0%	5.0%	Irradiation/Radioactivity	None
pH	6.0-7.5	7.0	NUTRITIONAL VALUES	
Pass through 325 mesh	>99.0%	99.5%	Fat	None
			Calories	None
			Protein	None
			Vitamins	None
			Carbohydrates	None
			Calcium	34—40%
			Phosphates	55.2—57.2%

Complies with latest Food Chemical Codex

Main Uses: Flow agent, anti-caking agent, calcium/phosphorus fortification Refer to NEI Application Sheet for additional uses.

Certifications: Halal, Kosher, SQF certified facility,

Vegetarians: NEI's TCP is perfectly suitable in the diet of vegetarians and vegans

Raw Materials: NEI uses, raw materials with low lead and fluoride to ensure production of high-quality TCP.

HACCP: HACCP practices are applied throughout the manufacturing process to ensure compliance with GMP guidelines

Product Usage Guideline: Product is generally considered safe (GRAS) when used in conjunction with good manufacturing practices.

	25lb bags	50lb bags	1000 lb bulk bags	2000 lb bulk bags	Bulk Tank Truck
PCHA 10	*	***	*	***	*
PCHA 20	*	***	*	***	*
PCHA 100	**	*	***	*	*
MicroFlo	**	*	***	*	*
PCHA 600	**	*	***	*	*
EU 10A	**	***	***	***	*
EU100A	**	*	***	***	*
EU600A	**	*	***	*	*
*standard					
** upcharge					
*** prior approval needed /upcharge					

NEI's Sales and R&D Teams are ready to help answer these questions.

Natural Enrichment Industries, LLC (NEI)

1800 West Oak Street Herrin, IL 62948 USA

www.neitcp.com sales@neitcp.com 618-942-2112