

EmCap-Instant 12639

Description	Stabilized and acid-thinned instant waxy maize starch		
Functionality	<ul style="list-style-type: none"> - superior cold water solubility - high citrus oil recovery during spray-drying - emulsion stabilizer - low viscosity - very bland flavor - provides a protective barrier against oxidation 		
Typical Data	Moisture	%	5.5
	pH		5.5
	Ash	%	0.5
	Particle size on US 80 Mesh (.180 mm)	%	25
	Bulk Density (packed)	lbs/ft ³	20
		g/l	320
	Brookfield Viscosity at 30% solids 77° F	cps	600
Applications	<p>Naturally occurring gums such as gum Arabic are widely used in the food industry to provide emulsifying, stabilizing and encapsulating properties. Cargill has developed starch based alternatives to overcome supply and quality problems. EmCap-Instant 12639 is an instantized lipophilic starch recommended for stabilizing liquid emulsions and improving oxidative barrier properties of spray-dried oils. EmCap-Instant 12639 is often blended with Cargill Dry MD maltodextrins to control viscosity with negligible impact on flavor, oil retention or yield. It is especially suited for spray-dried products with a delicate flavor profile. Typical applications include:</p> <ul style="list-style-type: none"> - spray-dried citrus oils and essences - spray-dried and liquid clouds - spray-dried cheese and dairy flavors 		
Packaging	Net 50 lb. (22.5 kg) multi-ply bags		
Storage	<p>Best storage is realized in a clean, dry, odor-free area at ambient temperature and humidity. The recommended best before date for starch is 24 months from date of manufacture. Starches stored beyond the best before date should be tested periodically for fitness of use.</p>		
Legislation	<p>EmCap-Instant 12639 complies with FDA regulations, paragraph 21 <u>CFR</u> 172.892 and EC Directive 95/2/EC.</p> <p>EmCap-Instant 12639 should appear in the ingredient list as “food starch-modified” and “modified starch” in the EU.</p> <p>Please consult your legal counsel for labeling requirements.</p>		

HTS Code

3505.10.0040

Safety

Excessive dusting is flammable and explosive

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***The analyses are merely typical guides.** They are not to be construed as being specifications. All of the above information is, to the best of our knowledge, true and accurate. However, since the conditions of use are beyond our control, all recommendations or suggestions are made without guarantee, express or implied, on our part. We disclaim all liability in connection with the use of the information contained herein or otherwise, and all such risks are assumed by the user. Nothing contained herein shall be construed to infer freedom from patent infringement. We further expressly disclaim all warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE.*