Bulk character of food ingredients

SPS Solids Process Solutions

Type	Particle size
powders	= d90 ~ ≤ 1 mm
pellets	= d10 ~ ≥ 1 mm
fibers	
flakes	

Bulk character	(very) well flowing	reasonable flowing	poor flowing	very poor flowing	flushing	very flushing	extremely flushing	adhesive	agglomerating	bridging	compacting	electrostatic	fragile / breakable	hygroscopic	plasticizing	poor flowing after deairation	melting	stiff	fatty	moist	bonded fiber ≤ 6 mm	bonded fiber ≥ 6 mm	unbound fiber ≤ 6 mm	unbound fiber ≥ 6 mm	entangled / interwoven
Potato flakes																									
Almond powder																									
Apple powder																									
Chocolate drops																									
Citric acid powder																									
Coconut fiber (dry)																									
Cornflakes																									
Dill (dry)																									
Fruit (crushed and dry)																									
Fruit peels																									
Broken nuts																									
Vegetables (crushed and dry)																									
Chocolate sprinkles																									
Hazelnuts																									
Coconut chips																									
Currants																									
Herbs, miscellaneous (dry)																									
Nuts/Raisins mix																									
Peanuts																									
Icing sugar																									
Rice crispies																									
Rosemary (dry)																									
Raisins																									
Raisins/nuts mix																									
Thyme (dry)																									
Vanilla powder																									
Fennel (dry)																									
Carrot powder																									
Bran																									