



Product recommendations kcd, blowing agent, as of 02/2023

code	Name	Function	Function2	Application		Compatibility with										Start-Temp.	endo/exo	Form	effective propellant			Byproduct		
				Foaming	agaist sink marks	Conc.	PE	Ethyl.-CoPo	PP	PS	ABS	TPE	PVC	PC	PET				PA	CO2	N2		NH3	H2O
1004	cell.mix 500	Blowing Agent	Foam Extrusion Nucleation for PS foam	•		100,0%	•	•		•	•			•			150 °C	endotherm	Powder	•			•	
1211	cell.mix t062	Blowing Agent	EVA-/EMA- foam compounds PVC foam compounds EVA, LD-PE, TPE Foam	•		100,0%	•	•	•			•	•				145 °C	exotherm	Powder	•	•	•		
1215	cell.mix t100	Blowing Agent	EVA-/EMA- foam compounds PVC foam compounds	•		97,0%	•	•	•			•	•				145 °C	endo/exoth.	Powder	•	•	•	•	
1355	cell.mix p113-c	Blowing Agent	PVC-Compounds Celuka coextruded multilayer systems	•		75,0%								•			150 °C	endo/exoth.	Powder	•	•	•	•	
1356	cell.mix p114-c	Blowing Agent	PVC-Compounds Celuka coextruded multilayer systems	•		75,0%								•			165 °C	endo/exoth.	Powder	•	•	•	•	
1406	cell.mix a041	Blowing Agent	foam injection molding / extrusion Regenerate to foam parts	•		30,0%	•	•	•	•	•	•	•				145 °C	endo/exoth.	Granules	•	•	•	•	
1409	cell.mix a071	Blowing Agent	foam injection molding / extrusion Sink Mark prevention	•	•	20,0%	•	•	•	•	•						155 °C	endotherm	Granules	•			•	
1412	cell.mix a062	Blowing Agent w. crosslinker	Foam Extrusion foamed inner layer	•		18,0%	•	•	•	•	•						145 °C	exotherm	Granules	•	•	•		
1414	cell.mix pc12	Blowing Agent	foam injection molding / extrusion Sink Mark prevention	•	•	12,0%									•	•	•	235 °C	exotherm	Granules		•		
1415	cell.mix a013	Blowing Agent	foam injection molding / extrusion Regenerate to foam parts	•		35,0%	•	•	•							•	170 °C	exotherm	Granules	•	•	•		
1417	cell.mix a072	Blowing Agent	foam injection molding Sink Mark prevention	•	•	17,0%	•	•	•	•	•						175 °C	endotherm	Granules	•			•	
1421	cell.mix a085	Blowing Agent	foam injection molding / extrusion Regenerate to foam parts TPE injection molding (form fidelity)	•		72,0%	•	•	•	•	•	•					150 °C	endotherm	Granules	•			•	
1426	cell.mix a072/15	Blowing Agent	Sink Mark prevention		•	2,2%	•	•	•	•	•						165 °C	endotherm	Granules	•			•	
1430	cell.mix a030	Blowing Agent	foam injection molding / extrusion Sink Mark prevention without streaks	•	•	20,0%	•	•	•								155 °C	endotherm	Granules	•			•	
1432	cell.mix a031	Blowing Agent	foam injection molding / extrusion Nucleation of PE- / PP Foils	•		50,0%	•	•	•	•	•						155 °C	endotherm	Granules	•			•	
1435	cell.mix a073	Blowing Agent	foam injection molding Sink Mark prevention	•	•	22,0%	•	•	•						•		210 °C	endotherm	Granules	•			•	
1436	cell.mix a075	Blowing Agent	foam injection molding / extrusion	•		70,0%	•	•	•	•	•						160 °C	endotherm	Granules	•			•	
1452	cell.mix pc12/50E	Blowing Agent w. elasticizing component	Sink Mark prevention		•	12,0%								•	•	•	235 °C	exotherm	Granules		•			
1453	cell-mix a072/50	Blowing Agent	foam injection molding Sink Mark prevention	•	•	8,5%	•	•	•	•	•						170 °C	endotherm	Granules	•			•	



Product recommendations kcd, Microspheres, as of 02/2023

code	Name	Function	Function2	Application		Conc.	Compatibility with									Tmax	~Diameter after expansion	Form		
				Foaming	against sink marks		PE	Ethyl.-CoPo	PP	PS	ABS	TPE	PVC	PC	PET				PA	
4035	cell.mix a65/951-W	Expansion agents, encapsulated gases	foam injection molding foam extrusion foamed blow molding	•		65,0%	•	•	•	•	•	•	•	•	•	•	•	198 °C	120 µ	Granules
4037	cell.mix a65/920_120 W	Expansion agents, encapsulated gases	foam injection molding foam extrusion foamed blow molding	•		65,0%	•	•	•	•	•	•	•	•	•	•	•	200 °C	120 µ	Granules
4040	cell.mix a65/909_80 W	Expansion agents, encapsulated gases	foam injection molding foam extrusion foamed blow molding	•		65,0%	•	•	•	•	•	•	•	•	•	•	•	183 °C	80 µ	Granules
4042	cell.mix a62.5/920_40 W	Expansion agents, encapsulated gases	foam injection molding foam extrusion foamed blow molding	•		62,5%	•	•	•	•	•	•	•	•	•	•	•	173 °C	40 µ	Granules
4045	cell.mix a50/920_40	Expansion agents, encapsulated gases	foam injection molding foam extrusion foamed blow molding	•		50,0%	•	•	•	•	•	•	•	•	•	•	•	173 °C	40 µ	Granules
4046	cell.mix a65/930_120	Expansion agents, encapsulated gases	foam injection molding foam extrusion foamed blow molding	•		65,0%	•	•	•	•	•	•	•	•	•	•	•	200 °C	120 µ	Granules
4051	cell.mix a50/920_20	Expansion agents, encapsulated gases	foam injection molding foam extrusion foamed blow molding	•		50,0%	•	•	•	•	•	•	•	•	•	•	•	165 °C	20 µ	Granules
4052	cell.mix a65/980_100	Expansion agents, encapsulated gases	foam injection molding foam extrusion foamed blow molding	•		65,0%	•	•	•	•	•	•	•	•	•	•	•	225 °C	100 µ	Granules



Product recommendations kcd, Lubricants, as of 02/2023

code	Name	Function	main active ingredient	Function2	Conc.	Used in											max. processing temp.	Temperature range Lubricating effect	particle size d50	Form	Color	
						Ethyl.-	PE	CoPo	PP	PS	ABS	TPE	PVC	PC	PET	PA						PPO
6201 FG	mo.mix ptfе 60 FG	Lubricant	Polytetrafluorethylene (PTFE)	Formation of a permanently regenerative PTFE sliding film when rubbing on part surfaces	60,0%	•	•	•	•	•	•	•	•					300 °C	-100 bis +200 °C	6 μ	Granules	white
6301	mo.mix mos2-75	Lubricant	Molybdenum Disulfide (MoS2)	Formation of a permanently regenerative MoS2 lubricating film when rubbing on part surfaces	75,0%	•	•	•	•	•	•	•						300 °C	-100 bis +200 °C	< 15 μm	Granules	dark grey black
6303	mo.mix si20	Lubricant	Polydimethylsiloxan (Silicone Oil)	Sliding effect in plastics, improved demoldability, improved flowability and mold filling behavior	20,0%	•		•	•	•								300 °C	-100 bis +200 °C	-	Granules	white
6405	stearate.mix a01	Lubricant mold release agent	Zinc stearate, Calcium stearate	Mechanism of action is based on intolerance Active ingredient to polymers and the ability to migrate active substance	70,0%	•			•	•								250 °C	< 100 °C (Lubricating effect for demolding)	-	Granules	white