



Product recommendations kcd, Blowing Agents, as of 10/2023

Art.No.	Name	Function	Applications	Application		● Compatibility with + Primarily suitable for											Start-Temp.	endo/exo	Form	effective propellant			Byproduct			
				Foaming	agaist sink marks	Conc.	PE	Ethyl.-CoPo	PP	PS	ABS	TPE	PVC (plastici zed)	PVC-U	PC	PET				POM	PA	CO2		N2	NH3	H2O
1412	cell.mix a062	Blowing Agent w. crosslinker	Foam Extrusion Foamed inner layer	•		18,0%	•	•	•	+	•								+	145 °C	exothermic	Granules	•	•	•	
1406	cell.mix a041	Blowing Agent	Foam injection/foam extrusion Processing regenerated material into foamed parts	•		30,0%	•	•	+	•	•	•	+	•						145 °C	endo/exoth.	Granules	•	•	•	•
1215	cell.mix t100	Blowing Agent	EVA/EMA foam compounds PVC foam compounds CBA for masterbatches	•		97,0%	•	+	•			•	+							145 °C	endo/exoth.	Powderous	•	•	•	•
1211	cell.mix t062	Blowing Agent	EVA/EMA foam compounds PVC foam compounds EVA, LD-PE, TPE foam	•		100,0%	•	•	•			•	+	+						145 °C	exothermic	Powderous	•	•	•	
1518	cell.mix a039grit	Blowing Agent	Foam Extrusion Foamed inner layer	•		49,0%								•	+					150 °C	endo/exoth.	Micro granules	•	•	•	•
1421	cell.mix a085	Blowing Agent	Foam injection/foam extrusion Processing Regenerated material into foamed parts Mold retention with TPE injection molding	•		72,0%	+	+	+	+	+	•								150 °C	endotherm	Granules	•			•
1355	cell.mix p113-c	Blowing Agent	PVC compounds Celuka Co-extruded multilayer systems	•		75,0%								•	+					150 °C	endo/exoth.	Powderous	•	•	•	•
1004	cell.mix 500	Blowing Agent	Foam extrusion Nucleation of PS foam	•		100,0%	+	+		•	•			•						150 °C	endothermic	Powderous	•			•
1409	cell.mix a071	Blowing Agent	Foam Injection Molding Foam Extrusion Preventing sink marks/warping	•	•	20,0%	+	+	+	•	•									155 °C	endothermic	Granules	•			•
1430	cell.mix a030	Blowing Agent	Foam injection/foam extrusion Against sink marks/warping without streaks Nucleation of PE and PP films	•	•	20,0%	+	•	+											155 °C	endothermic	Granules	•			•
1432	cell.mix a031	Blowing Agent	Foam injection/foam extrusion Nucleation of PE and PP films	•		50,0%	+	•	+	•	•									155 °C	endothermic	Granules	•			•
1436	cell.mix a075	Blowing Agent	Foam injection/foam extrusion	•		70,0%	+	•	+	+	+									160 °C	endothermic	Granules	•			•
1356	cell.mix p114-c	Blowing Agent	PVC compounds Celuka Co-extruded multilayer systems	•		75,0%								•	+					165 °C	endo/exoth.	Powderous	•	•	•	•
1453	cell.mix a072/50	Blowing Agent	Foam Injection Molding Preventing sink marks/warping	•	•	8,5%	+	•	+	•	•									170 °C	endothermic	Granules	•			•
1415	cell.mix a013	Blowing Agent	Foam injection/foam extrusion Processing regenerated material into foamed parts	•		35,0%	•	•	+										+	170 °C	exothermic	Granules	•	•	•	
1417	cell.mix a072	Blowing Agent	Foam Injection Molding Preventing sink marks/warping	•	•	17,0%	+	•	+	+	+									175 °C	endothermic	Granules	•			•
1435	cell.mix a073	Blowing Agent	Foam Injection Molding Preventing sink marks/warping	•	•	22,0%	•	•	+										+	210 °C	endothermic	Granules	•			•
1414	cell.mix pc12	Blowing Agent	Foam Injection Molding Foam Extrusion Preventing sink marks/warping	•	•	12,0%													+	235 °C	exothermic	Granules		•		
1452	cell.mix pc12/50E	Blowing Agent w. elasticizing component	Preventing sink marks/warping	•	•	12,0%													+	235 °C	exothermic	Granules		•		



Product recommendations kcd, Microspheres, as of 10/2023

Art.No.	Name	Function	Applications	Application		● Compatibility with + Primarily suitable for										Tmax	~Diameter after expansion	Form		
				Foaming	against sink marks	Conc.	PE	Ethyl.-CoPo	PP	PS	ABS	TPE	PVC PVC-U	PC	PET				PA	
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
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
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
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
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
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 10/2023

Art.No.	Name	Function	main active ingredient	Applications	Conc.	● Compatibility with + Primarily suitable for										max. processing temp.	Temperature range Lubricating effect	particle size d50	Form	Color					
						PE	Ethyl.-CoPo	PP	PS	ABS	TPE	PVC-U	PC	PET	PA						PPO	POM			
6405	stearate.mix a01	Mold release agent	Zinc stearate, calcium stearate	Mechanism of action is based on intolerance of active ingredient to polymers and the migration ability of the active ingredient	70,0%	+	+	+	+	+	+	+						+	+	+	250 °C	< 100 °C (Lubricating effect for demolding)	-	Granules	white
6201 FG	mo.mix ptfе 60 FG	Lubricant	Polytetrafluorethylene (PTFE)	Formation of a permanently regenerative PTFE lubricant film when friction occurs on part surfaces	60,0%	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	300 °C	-100 to +200 °C	6 μ	Granules	white
6301	mo.mix mos2-75	Lubricant	Molybdenum Disulfide (MoS2)	Formation of a permanently regenerative MoS2 lubricant film when friction occurs on part surfaces	75,0%	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	300 °C	-100 to +200 °C	< 15 μm	Granules	dark grey black
6303	mo.mix si20	Lubricant Mold release agent	Polydimethylsiloxane (silicone oil)	Lubricating effect in plastics, improved demouldability, improved flowability and mold filling behavior	20,0%	+	+	+	•	•	+							+	•	+	300 °C	-100 to +200 °C	-	Granules	white



Product recommendations kcd, Purging Compounds, as of 10/2023

● Compatibility with | + Primarily suitable for

Art.No.	Name	Function	main active ingredient	Application	Conc.	● Compatibility with + Primarily suitable for											max. processing temp.	Temperature range cleaning effect	Form	Color		
						PE	Ethyl.-CoPo	PP	PS	ABS	TPE	PVC		PC	PET	PA					PPO	POM
8045	clean.mix R45	Purging Compound	Combination of acrylate and inorganic filler	high cleaning effect without abrasive effects on metal surfaces, largely odor-free	100,0%	+	+	+			+	+							200 °C	135 °C to 200 °C	Granules	grey
8030	clean.mix R30	Purging Compound	Combination of acrylate and inorganic filler	high cleaning effect without abrasive effects on metal surfaces, largely odor-free, suitable for a wide temp. range up to 350 °C	100,0%	+	+	+	+	+	+	+	+	+	+	+	+	+	350 °C	135 °C to 350 °C	Granules	light grey



Product recommendations kcd, UV Stabilizer, as of 10/2023

• Compatibility with | + Primarily suitable for

Art.No.	Name	Function	main active ingredient	Application	Conc.	Compatibility with + Primarily suitable for												max. processing temp. (short term)	Form	Color	
						PE	Ethyl.- CoPo	PP	PS	ABS	TPE	PVC PVC-U	PC	PET	PA	PPO	PMMA				POM
6051	uva.mix a015/77	UV stabilization masterbatch	sterically hindered amine (HALS)	UV-stabilizing effect, preferably in thick-walled parts, synergistic effects with antioxidants and UV absorbers	23,5%	+	•	+	+	+	•	•					+	+	300 °C	Granules	white



Product recommendations kcd, 3D Printing Compounds, as of 10/2023

Art.No.	Name	Function	main active ingredient	Application	Conc.	● Compatibility with + Primarily suitable for											process. Temp	heat distortion temperature (HDT)	Form	Farbe	
						PE	Ethyl.-CoPo	PP	PS	ABS	ASA	TPE	PVC	PC	PET	PA					PLA
6603	PLA-55 Compound	3D Printing Compound	Poly lactide (PLA), modified	Matrix material for filament manufacturing and pellet 3D printing; no heated installation space required	100,0%											+		180 - 200 °C	55 °C	Granules	opaque
6606	ASA 275 - Compound	3D Printing Compound	Acryl – Nitril – Styrol – Acrylat – Copolymer (ASA), modified	Matrix material for filament manufacturing and pellet 3D printing; no heated installation space required	100,0%					+								220 - 245 °C	80 °C	Granules	light beige
6613	PC 275 - Compound	3D Printing Compound	Polycarbonate (PC), modified	Matrix material for filament manufacturing and pellet 3D printing; no heated installation space required	100,0%											+		220 - 245 °C	> 100 °C	Granules	opaque
6614	ABS 275 - Compound	3D Printing Compound	Acrylnitril – Butadien - Styrol – Copolymer (ABS), modified	Matrix material for filament manufacturing and pellet 3D printing; no heated installation space required	100,0%					+								220 - 245 °C	70 °C	Granules	light beige