

QUALITY PERFORMS.



Solutions for versatile applications
Additives for thermoplastics

QUALITY WORKS.

LANXESS
Energizing Chemistry

ADDITIVES FOR THERMOPLASTICS

Additives	Chemical description	PVC-U	Cellu-losics	TPU	PE	PP	TPE	PS	PC	PC/ABS
Plasticizer / processing aid										
Uniplex 214	N-n-butylbenzene sulfonamide									
Triacetin	Glycerol triacetate		■							
Baymod® PU/PU-A	Polyester urethane	■								
Crosslinking agents										
Addolink® 30/10	Hydroquinone (2-hydroxyethyl) ether			■						
Addolink® THPE	1,1,1-Tris (parahydroxyphenyl) ethane								■	
Hydrolysis stabilizers										
Stabaxol® I	Monomeric carbodiimide			■						
Stabaxol® L	Monomeric carbodiimide			■						
Stabaxol® P 200	Oligomeric carbodiimide			■						
Stabaxol® P	Polymeric carbodiimide			■			■			
Stabaxol® P 100	Polymeric carbodiimide						■			
Stabaxol® P 110	Polymeric carbodiimide						■			
Antistatic agents										
Mersolat® H 95	Sodium alkane sulfonate	■				■				
Mersolat® H 30, 40 and 68	Sodium alkane sulfonate solutions	■				■				
Flame retardants – phosphorus-based										
Amgard® CU	Organic phosphonate									
Amgard® CT	Organic phosphonate									
Disflamol® TP	Triphenyl phosphate		■					■		■
Disflamol® DPK	Cresyl diphenyl phosphate		■	■						
Disflamol® DPO	2-Ethylhexyl diphenyl phosphate		■							
Disflamol® TOF	Tris (2-ethylhexyl) phosphate		■							
Disflamol® 51092	Butylated triphenyl phosphate		■	■						■
Reofos® 35	Isopropylated triphenyl phosphate		■	■						
Reofos® 50	Isopropylated triphenyl phosphate		■	■						
Reofos® 65	Isopropylated triphenyl phosphate		■	■						
Reofos® 95	Isopropylated triphenyl phosphate		■	■						
Flame retardants – brominated										
BA-59P®	Tetrabromobisphenol A									
BC-52®	Phenoxy-terminated carbonate oligomer								■	■
BC-58®	Tribromophenoxy-terminated carbonate oligomer								■	■
Emerald Innovation® 3000 ²	Brominated styrene butadiene copolymer									■
Firemaster® CP-44HF	Copolymer of dibromostyrene									
Firemaster® PBS-64HW	Poly (dibromostyrene)									
Firemaster® 2100R	Decabromodiphenyl ethane			■	■	■	■	■		■
PDBS-80®	Poly (dibromostyrene)									
PHT4®	Tetrabromophthalic anhydride									
PHT4-Diol®	Tetrabromophthalate diol			■						
PHT4-Diol® LV	Tetrabromophthalate diol			■						
PH-73FF®	2,4,6-Tribromophenol									

* More and detailed information on request ¹ Particularly PA 6 ² Emerald Innovation® 3000 is based on technology licensed from DuPont.

POM	PLA	PET	PBT	PA	Thermo-sets	Food contact*	Characteristics
				■			Preferred plasticizer for polyamide
						■	Bonding of cellulose acetate fibers
■						■	Plasticizing polymer for excellent mechanical properties
							Outstanding mechanical properties
							Excellent blow molding and extrusion
	■	■					Excellent extension of material service life
	■	■					Excellent extension of material service life
							Excellent extension of material service life, liquid, water-soluble
■	■	■	■	■			Excellent extension of material service life
	■	■	■	■			Excellent extension of material service life
■	■	■	■	■			Excellent extension of material service life, particularly suitable for PLA
						■*	Flakes for long-term antistatic properties
						■*	Water-based solutions for temporary antistatic properties
		■		■			Designed especially for a durable FR treatment of polyester fibers
		■		■			Low viscous version of Amgard® CU
					■		Supply form: pellets or melt
					■		Excellent flame retardance
						■	Light-fast
							Excellent cold flexibility, alternative to oil-based processing aids
					■		Excellent flame retardance, low odor
					■		Low viscosity
					■		Excellent flame retardance
							Excellent flame retardance
							Low volatility
						■	Reactive flame retardant for epoxies
			■				High thermal stability
			■				High bromine content
							Polymeric HBCD replacement for XPS and EPS
	■	■	■	■			Polymeric, good flow, improved blister resistance temperature
	■	■	■	■			Polymeric, higher glass transition temperature than PDBS-80φ4
		■	■	■ ¹	■		Excellent balance of physical properties, flammability performance and processability
		■	■	■			Polymeric, excellent flow, higher thermal stability than PBS-64HW and CP-44HF
					■		Intermediate for flame retardant polymer production, high bromine content, powder
							Intermediate for flame retardant polymer production, excellent compatibility with a broad range of commercial polyols
							Intermediate for flame retardant polymer production, low viscosity version of PHT4-Diol®
					■		Intermediate for flame retardant polymer production, can be used as flame retardant for epoxies



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Unless specified to the contrary, the values given have been established on standardized test specimens. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.

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