

QUALITY PERFORMS.



Solutions for versatile applications

Additives for polyvinyl chloride

QUALITY WORKS.

LANXESS
Energizing Chemistry

ADDITIVES FOR POLYVINYL CHLORIDE

Additives	Chemical description	Coating				Metal coating			Extrusion	Calendering	Dipping	Rotational molding	Food contact*	Characteristics
		Textile	Artificial leather	Wall covering	Flooring	Coil coating	Auto-motive	Capsules						
Plasticizers														
Mesamoll®	Alkylsulfonic phenyl ester	■	■		■	■	■		■	■	■	■	■	General purpose
Mesamoll® II	Alkylsulfonic phenyl ester	■	■	■	■	■	■		■	■	■	■	■	Lower volatility than Mesamoll®
Mesamoll® 51067	Blend of alkyl sulfonic ester						■		■	■	■	■	■	High gelation speed
Adimoll® DO	Di-(2-ethylhexyl) adipate								■	■	■	■	■	Low-temperature flexibility
Adimoll® DB	Di-(n-butyl) adipate													Secondary plasticizer
Adimoll® BO	Benzyl-(2-ethylhexyl) adipate	■	■	■	■	■	■		■	■	■			Low-temperature flexibility, fast fusion
Unimoll® AGF	Mixture of glycerol acetate	■	■	■	■				■	■	■	■	■	Sensitive applications
Uniplex 354 ¹	2,2,4-Trimethylpentane-1,3-diol dibenzoate	■	■	■	■									Bleed resistance, plastisol printing
Uniplex 80	Triethyl citrate								■	■		■	■	Solvent and plasticizer
Uniplex 83	Tributyl citrate								■	■		■	■	Low-temperature flexibility
Ultramoll® IV MV	Adipic polyester	■	■	■					■	■		■	■	Low migration, fast gelation
Ultramoll® IV	Adipic polyester	■	■	■					■	■		■	■	Low migration
Ultramoll® IV HV	Adipic polyester								■	■		■	■	High extraction and migration resistance
Ultramoll® V LV	Adipic polyester	■	■	■					■	■		■	■	Low migration, fast gelation
Ultramoll® V MV	Adipic polyester	■	■	■					■	■		■	■	Low migration
Ultramoll® V HV	Adipic polyester								■	■		■	■	High extraction and migration resistance
Ultramoll® VII LV	Adipic polyester	■	■	■					■	■		■	■	Low migration, fast gelation
Ultramoll® VII MV	Adipic polyester	■	■	■					■	■		■	■	Low migration
Ultramoll® VII HV	Adipic polyester	■	■	■					■	■		■	■	High extraction and migration resistance
Baymod® PU	Polyester urethane				■				■	■		■	■	Plasticizing polymer
Bonding agents														
Bonding agent 2005	Polyisocyanurate in solvent	■												Very high performance
Bonding agent 51099 ²	Polyisocyanurate in isononyl benzoate	■												High performance
Bonding agent 51066	Polyisocyanurate in Mesamoll® II	■												Phthalate-free
Bonding agent 51030	Polyisocyanurate in DINP	■												Formulation in DINP
Potlife enhancer II	Organic acid chloride in Mesamoll® II	■												Controls plastisol viscosity
Antistatic agents														
Mersolat® H types	Sodium alkane sulfonates								■	■			■	Various conc.: H 30, H 40, H 68 and H 95
Chemical blowing agents														
Genitron®	ADC blends (various types)		■	■	■				■			■		Azodicarbonamide formulations
Genitron®	SBC blends (various types)		■	■	■				■			■	■	Azodicarbonamide-free formulations
Flame retardants - phosphorus-based														
Disflamoll® DPK	Cresyl diphenyl phosphate	■	■	■	■				■	■		■		Excellent flame retardance
Disflamoll® TKP	Tricresyl phosphate	■			■				■	■		■		Very low gelling temperature
Disflamoll® DPO	2-Ethylhexyl diphenyl phosphate	■	■	■	■				■	■		■	■	Low smoke density in PVC compounds
Disflamoll® TOF	Tris (2-ethylhexyl) phosphate	■		■	■				■			■		Excellent low-temperature flexibility
Disflamoll® 51036	Phosphate ester blend	■	■		■				■	■				Designed for artificial leather
Disflamoll® 51092	Butylated triphenyl phosphate	■	■	■	■				■	■		■		Excellent flame retardance, low odor
Reofos® 35	Isopropylated triphenyl phosphate	■	■	■	■						■	■		Low viscosity
Reofos® 50	Isopropylated triphenyl phosphate	■	■	■	■				■	■		■	■	Excellent flame retardance
Reofos® 65	Isopropylated triphenyl phosphate	■	■	■	■				■	■		■	■	Excellent flame retardance
Reofos® 95	Isopropylated triphenyl phosphate								■	■		■	■	Low volatility
Reofos® 1800	Blend of triaryl phosphates								■	■		■	■	Low volatility
Flame retardants - brominated														
Uniplex FRP-45	Di-(2-ethylhexyl) tetrabromophthalate								■	■				Low volatility, high thermal stability

* Detailed information is available on request ¹ No REACH registration ² Not available in the US and in China



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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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