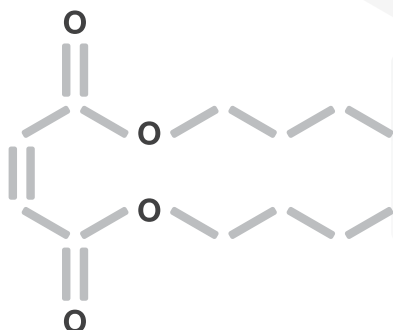


Dibutyl Maleate

TECHNICAL DATA SHEET

STRUCTURAL FORMULA



CHEMICAL FORMULA

mol. weight: 228.29/mol



COMMON APPLICATIONS

- EMULSIONS
- ADHESIVE DISPERSIONS
- PAPER COATINGS

Plasticizer for vinyl resins and for applications involving co-polymerization with polyvinyl chloride and vinyl acetates; copolymers formed with vinyl acetate and DBM are used in the manufacturing of paints, giving them a higher flexibility, stability to water and ultra violet light, besides a higher adherence. Plasticizer in water resistant films; used in the manufacturing of plastisols, adhesives, additives and synthetic lubricants.

PROPERTY	SPECIFICATION LIMITS	UNIT OF MEASURE	TYPICAL ANALYSIS
DESCRIPTION	clear liquid	-	clear liquid
ESTER CONTENT	99.0 MIN	%	99.83
MOISTURE	0.1 MAX	%	0.095
COLOR NUMBER	40 MAX	APHA	20
ACID VALUE	0.1 MAX	mg KOH/g	0.045
ESTER VALUE	490 - 495	mg KOH/g	491.35
ACIDITY AFTER HEAT TREATMENT	0.05 MAX	% (180°C FOR 2 HOURS)	0.01
VOLATILE LOSS BY MASS	0.5 MAX	% (180°C FOR 2 HOURS)	0.32
HEAT STABILITY	50	HU (150°C FOR 2 HOURS)	No Change
SPECIFIC GRAVITY	0.992 - 0.998	@ 25°C	0.996
REFRACTIVE INDEX	1.4437 - 1.443	@ 25°C	1.4439
VISCOSITY	6 - 10	CPS @ 20°C	8
ALCOHOL CONTENT	0.08 MAX	% WT	0.03