

Phosphorus Containing Monomers

Products CAS RN®	Formula mol.weight	Specifications						Typical Properties		Containers	Characteristic	Application
		Appearance	Color APHA	Specific Gravity 20/20°C	Acid value KOH mg/g	Refractive Index n _D ²⁵	P %	P %	Flash Point °C			
MR-260 Diphenyl-2-methacryloyloxyethyl-phosphate 16069-23-1	$\begin{array}{c} \text{CH}_3 \qquad \qquad \text{O} \\ \qquad \qquad \parallel \\ \text{CH}_2=\text{C}-\text{COCH}_2\text{CH}_2\text{OP}-(\text{O}-\text{C}_6\text{H}_5)_2 \\ \\ \text{O} \end{array}$ 362	Colorless to light yellowish clear liquid	—	1.218±0.020	≤2.0	1.525±0.003	≥8.0	—	183	18kg	Copolymerized with vinyl monomer. Allows filler to diffuse in coatings and adhesives to boost water resistance.	Dispersant in inorganic filler and pigment. Reactive flame retardant.

Maleic Acid Esters

◁ ▷ : Measurement condition

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DBM Dibutyl maleate 105-76-0	$\begin{array}{c} \text{CHCOOC}_4\text{H}_9 \\ \\ \text{CHCOOC}_4\text{H}_9 \end{array}$ 228	Colorless clear liquid	≤30	0.997±0.003	≤0.05	≥99.0	1.445	280 《101kPa》	-85	145	200kg Drum	Effective in prevention from migration and extraction by the internal plasticization copolymerized with monomer. Hardly soluble in water. Low level of skin irritation.	Adhesive, paint and surface treatment agent by copolymerizing with vinyl acetate.
DOM Bis(2-ethylhexyl) maleate 142-16-5	$\begin{array}{c} \text{CHCOOC}_8\text{H}_{17} \\ \\ \text{CHCOOC}_8\text{H}_{17} \end{array}$ 341	Colorless to light yellowish clear liquid	≤50	0.944±0.003	≤0.05	≥99.0	1.453	— 《*0.67kPa 195 ~ 207》	-60	180	180kg Drum	By copolymerizing with monomer, cracking resistance and choke resistance of the polymer are improved.	Bringing high rubber elasticity by copolymerizing of vinyl acetate and used in paint field. Raw material of surfactant.

*Vapor pressure

Plasticizers and Solvents

Flame Retardants

Metal Extractants

Resin Modifiers

Others