

## Keycure POL-ONE

Chemical Name	(2-HYDROXY-2-METHYL-1001-4(1-METHYL-VINYL) PHENYL) PROPANE	
CAS NO.	163702-01-0	
Molecular Formula	(C <sub>13</sub> H <sub>16</sub> O <sub>2</sub> ) <sub>n</sub>	
Chemical Structure		
Physical properties	Appearance	: off white powder
	Odour	: faint, characteristic
	Solubility	: insoluble in water, soluble in most common organic solvents, monomers, prepolymers; compatible with resins
Specification	Item	Specifications
	Appearance	: White free flowing powder
	Assay	: ≥98.0%(HPLC)
	Melting Rang	: 100-120°C
	Volatiles	: ≤0.2
	Clarity	: Clear
UV absorption	<p>In MeOH(cell thickness=1cm)</p> <p>-Keycure POL-ONE conc.0.01g/l</p> <p>-Keycure POL-ONE conc.0.2g/l</p>	
Absorption Peak(nm)	257,330	
General	<b>Keycure POL-ONE</b> is particularly indicated for the photopolymerisation of U.V. curable systems when high reactivity, low curing odour and low yellowing are required.	
Applications	<p><b>Main suggested applications are in the manufacturing of:</b></p> <ul style="list-style-type: none"> <li>- powder coatings</li> <li>- clear lacquers for wood, plastic, paper, metal, optical fibres</li> <li>- adhesives</li> <li>- printing inks</li> <li>- printing plates and photoresists</li> </ul> <p>Optimum concentration is between 0,5 and 5% byweight and depending on system composition,thickness, and desired cure-speed.</p>	