

POLYCUPT™ CROSSLINKING RESINS

Asia-Pacific Product Offering

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Polycup™ brand resins are formaldehyde-free, water-based crosslinking resins that are reactive with amine, carboxyl, hydroxyl, and thiol functionality. Commonly used as crosslinkers in adhesives, inks, top-coatings, and other barrier finishes, these resins promote water resistance in polymer systems that are typically water soluble/sensitive. They also impart toughness to formulations and improve adhesion to low surface energy substrates.

Product	Chemical Type	Typical Properties						Notes
		Percent Solids	Viscosity at 25°C (cps)	pH	SpGr	Shelf Life at 5 – 20°C	DCP Content	
Primarily used for industrial applications.								
Polycup 172	PAE ⁽¹⁾	12.5%	25 – 75	4.0 – 5.0	1.03	90 Days	> 1000 ppm	First choice for most applications
Primarily used for applications related to food or personal care.								
Polycup 7700	PAE ⁽¹⁾	12.5%	30 – 90	3.3 – 4.1	1.038	90 Days	< 1000 ppm	Lower DCP version
Polycup 7360A	PAmE ⁽²⁾	38.0%	180 – 300	2.5 – 4.0	1.11	90 Days	< 1000 ppm	High cationic charge, may have reduced reactivity in some applications
Primarily used for applications related to food or personal care.								
Polycup 2000	PAE ⁽¹⁾	12%	< 100	2.2 – 4.0	1.02	90 Days	< 5 ppm	High cross linking properties, low AOX and very low DCP

⁽¹⁾ PAE = Polyamide Epichlorohydrin

⁽²⁾ PAmE = Polyamine Epichlorohydrin

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