

Polycup™ Crosslinking Resins

European 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	Shelf Life at 5 - 20°C	DCP Content	
Standard Properties							
Polycup LX	PAE ⁽¹⁾	13%	< 85	2.3 - 3.5	90 Days	< 1000 ppm	First choice for most applications.
Polycup 9200EU	PAE ⁽¹⁾	20%	< 250	2.5 - 4.0	70 Days	< 1000 ppm	Highest crosslinking properties.
Polycup 2170	PAE ⁽¹⁾	21.7%	< 200	2.3 - 3.5	70 Days	< 360 ppm	Medium Crosslinking properties, low AOX and low DCP
Polycup 2000	PAE ⁽¹⁾	12.0%	< 100	2.2 - 4.0	98 Days	< 4 ppm	High crosslinking properties, low AOX and very low DCP
Polycup 2200	PAE ⁽¹⁾	20.0%	< 275	2.2 - 4.0	70 Days	< 5 ppm	High crosslinking properties, low AOX and very low DCP
Specialty Properties							
Polycup 1884	Modified PAE ⁽¹⁾	35.0%	< 600	3.9 - 4.9	180 Days	> 1000 ppm	PAE resin modified for increased cationic charge. Lower crosslinking strength than Polycup LX

⁽¹⁾ PAE = Polyamide Epichlorohydrin

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