

resins

Application: **WOOD COATING ALKYD RESINS**

Resin code	Oil type and content	Solids and solvents	Viscosity Brookfield at 25° C	OH Value	Field of use
	%	%	mPa.s	mg KOH/g	
POLYKYD CO 01	Mixed fatty acids 27%	60% in xilene	3100 - 4100	120	Transparent 2K-PUR paints for wood, nitro paints.
POLYKYD CO 46		70% in butyl acetate	7500 - 12500		
POLYKYD CO 04	Special fatty acids 27%	60% in xilene	1800 - 2400	220	2K-PUR topcoats for wood, non-yellowing, high gloss with excellent surface hardness. Excellent polishing characteristics.
POLYKYD CO 83		70% in butyl acetate	1800 - 3000		
POLYKYD CO 08	Veg. fatty acids 30%	50% in xylene	1600 - 3000	110	Wood basecoats and topcoats with excellent solvent release, high surface hardness, toughness.
POLYKYD CO 90		60% in xilene	9000 - 30000		
POLYKYD CO 75		60% in butyl acetate	1800 - 3000		
POLYKYD CO 09	Olive fatty acids/HCO 41%	60% in xilene	3000 - 5000	145	High quality 2K-PUR basecoats and topcoats. Good removal resistance. Hard matt finishes.
POLYKYD CO 28	Castor oil/tall oil fatty acids 42%	60% in xilene	3000 - 4000	135	2K-PUR basecoats and topcoats for wood with excellent general characteristics.
POLYKYD CO 110		70% in butyl acetate	1700 - 2700		
POLYKYD CO 43	Veg. fatty ac./HCO 40%	75% in xylene	4000 - 5500	105	Medium reactivity. Nitro paints, high solid 2K-PUR. Plasticizer resin.
POLYKYD CO 49	Castor oil 43%	60% in xilene	1800 - 3000	145	2K-PUR and nitro paints for wood and metal, with excellent full-body, gloss and adhesion.
POLYKYD CO 56	Synthetic fatty acids 27%	75% in xylene	5000 - 8000	120	Glossy transparent and pigmented 2K-PUR and nitro paints with good yellowing resistance.
POLYKYD CO 74	Special fatty acids 30%	60% in xilene	2300 - 3500	115	Excellent whiteness in 2K-PUR paints. Excellent hardness and gloss. Good reactivity.
POLYKYD LO 403	Castor oil 60%	60% in xilene	1300 - 2300	150	Metal and wood 2K-PUR paints. Nitro paints and as plasticising resin. Good body.
POLYKYD CO 118	Synthetic fatty acids 25%	75% in xylene	10000 - 15000	225	Transparent and coloured glossy 2K-PUR. Excellent resistance to yellowing.
POLYKYD CO 121	Mixed fatty acids 27%	60% in xilene	4500 - 6500	150	2K-PUR transparent paints for wood with better pot life and nitro paints with better quality/price ratio.

The information contained in this datasheet is based on laboratory data and our experience. We believe this information to be reliable, however we cannot guarantee its applicability in your process. We decline all responsibility for events that may arise as a consequence of improper use of the product. By accepting the products described herein, the user accepts the responsibility to thoroughly test any application before commencing production. Our advice should not be taken as encouragement to breach any patent, law, safety code or insurance regulation.

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**Application: UNSATURATED POLYESTER RESINS
FOR U.V. AND REDOX WOOD COATINGS**

Resin code	Modification	Solids and solvents	Viscosity Brookfield at 25° C	Acid value on solids	Field of use
		%	mPa.s	mg KOH/g	
FENAPOL 5059 G	YES	75% in styrene	2200 - 2800	< 22	Medium reactivity for redox basecoats and unsaturated polyester based putties. Easy to sand also in blend with allylic resins.
FENAPOL 5005 G	YES	75% in styrene	3000 - 5500	< 15	For UV roller, reverse and courtain coater basecoats. Good filling capacity and easy to sand.
FENAPOL 5008 G	YES	73% in styrene	1300 - 2300	< 38	Allylic resin for easy to sand redox basecoats. Good body and adhesion.
FENAPOL 5010 G	NONE	70% in styrene	1200 - 1500	33 - 43	High reactivity polyester that can be additivated with paraffins and with good polishing characteristics. Also used in redox and UV systems.
FENAPOL 5020 G	YES	75% in styrene	1700 - 2700	20 - 40	Allylic resin for trasparent and pigmented UV and redox basecoats and topcoats, for roller and courtain coater application.
FENAPOL 5021 G	YES	75% in styrene	1900 - 2200	< 13	Unsaturated polyester with excellent hardness for transparent and pigmented glossy redox and UV topcoats.
FENAPOL 5022 G	YES	80% in butyl acetate	2500 - 4000	< 30	High reactivity allylic polyester for glossy, transparent and pigmented redox and UV topcoats with very low yellowing, also free from aromatics.
FENAPOL 5027 G	YES	67% in DPGDA	5000 - 10000	< 25	Allylic resin for transparent and pigmented UV and redox basecoats and topcoats for roller and courtain coater application, free from aromatics.
FENAPOL 5068 G	YES	> 99% dry content	850 - 1150 (75% in butyl cetate)	13 - 20	UP resin highly flexible to improve flexibility in REDOX or UV polyester paints without styrene.
FENAPOL 5069 G	YES	70% in styrene	800 - 1000	13 - 20	UP resin highly flexible to improve flexibility in REDOX or UV polyester paints with styrene.

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