

PRODUCT	DESCRIPTION	APPEARANCE	N.V.,%	pH	Visc., cps	CHARGE	APPLICATION(S)	FEATURE(S)	
<b>DRY STRENGTH RESINS</b>									
Ambond® 1505	polyacrylamide resin	clear to pale yellow liquid	22	5.0	5000	anionic	Thin or thick stock systems.	Increases dry strength properties & cationic starch efficiency; balances system charge.	
Ambond® 1590	polyacrylamide resin	clear to straw amber liquid	50	5.0	300	cationic	Thin or thick stock systems.	Manages cationic demand in stock systems whenever interfering anionics are present.	
<b>WET STRENGTH RESINS</b>									
Amres® 2747	repulpable wet strength resin	burgundy liquid	12.5	5.5	75	cationic		Replaces standard polyamide wet strength resins where enhanced fiber recovery is desired.	
Amres® 8855	polyamide wet strength resin	pale amber liquid	12.5	3.7	70	cationic		General purpose, high efficiency resin.	
Amres® 8870	polyamide wet strength resin	pale amber liquid	25	3.8	135	cationic		High-solids resin; reduces freight costs & increases storage capacity.	
Amres® HS-30	polyamide wet strength resin	pale amber liquid	30	3.4	225	cationic		High-solids resin; reduces freight costs & increases storage capacity.	
Amres® HP-25	polyamide wet strength resin	pale amber liquid	25	3.5	100	cationic		Advanced-technology, high-performance resin.	
Amres® MOC-3066	polyamide wet strength resin	pale amber liquid	12.5	3.7	60	cationic		Used where low-AOX resins are required.	
Amres® LA 12-2	polyamide wet strength resin	pale amber liquid	12.75	3.8	100	cationic		Used where low-AOX resins are required.	
Amres® C12	polyamide wet strength resin	pale amber liquid	12.5	3.9	45	cationic		General purpose, high efficiency resin.	
Amres® C20	polyamide wet strength resin	pale amber liquid	20	4.0	90	cationic		General purpose, high efficiency resin.	
Amres® C25	polyamide wet strength resin	pale amber liquid	25	3.6	100	cationic		General purpose &/or high solids, high efficiency resin.	
Amres® C28	polyamide wet strength resin	pale amber liquid	28	3.6	90	cationic		General purpose &/or high solids, high efficiency resin.	
Amres® X-184	polyamide wet strength resin	pale amber liquid	12.75	3.7	45	cationic		Used where low-AOX resins are required.	
Amres® C382	U-F wet strength resin	clear amber liquid	27	6.8	45	cationic		Kraft paper, linerboard, carrierboard, and specialties.	General purpose, high efficiency resin.
Amres® PR-335 CU	U-F wet strength resin	clear amber liquid	35	6.8	35	cationic			High-solids resin; reduces freight costs & increases storage capacity; low free-HCHO.
Amres® PR-247 HV	U-F wet strength resin	clear amber liquid	25	6.7	48	cationic		Used where low free-formaldehyde (HCHO) residuals are required.	
Amres® LOPR	U-F wet strength resin	clear amber liquid	28	7.0	50	cationic		Used where very low free-formaldehyde (HCHO) residuals are required.	
<b>SURFACE STRENGTH and SIZE AGENTS</b>									
NovaBond® 150	surface strength agent	straw to green opaque liquid	15	7.0	400	anionic	Offset/opaue communication paper grades, uncoated sides of printing papers & boards.	Improves wet rub and scuff resistance of paper; enhances wax pick, Z-direction tensile, and internal bond; reduces linting and dusting.	
NovaCote® 1936	surface size agent	slightly hazy to milky white	10	10.0	50	anionic		Low viscosity; easy-to-handle; used for copier toner adhesion, coating holdout; improved Gurley densometer, ink-jet printing, and high sizing.	
NovaCote® 2000	surface size agent	slightly hazy to milky white	10	10.0	50	anionic			
NovaCote® SCD	surface size agent	cloudy to milky white	20	10.5	400	anionic			
NovaCote® 1905	surface size agent	translucent, hazy white	20	7.0	350	anionic			
NovaCote® 1933	surface size agent	milky white	30.5	7.8	70	anionic		Excellent film former; improved offset printability & Gurley densometer; good for coating holdout.	
<b>INTERNAL SIZE</b>									
NovaFlo® 50	liquid rosin size	translucent amber liquid	50	10.0	125	anionic	Low- to medium-sized bleached and unbleached grades.	Easy to handle; ready-to-use; excellent replacement for paste size.	
NovaFlo® HW	liquid rosin size	translucent amber liquid	50	10.0	125	anionic	Same as NovaFlo® 50.	Same as NovaFlo® 50, but with hard water dilutability.	
NovaPlus®	neutral rosin size	opaque white liquid	35	6.1	10	anionic	Neutral and acid papermaking systems with and without CaCO <sub>3</sub> ; recycled fine papers.	Ready-to-use; able to utilize in CaCO <sub>3</sub> -containing coated broke and recycled fiber systems; wide pH flexibility.	
NovaPlus® HS	high-solids neutral rosin size	opaque white liquid	50	6.1	35	anionic			
NovaSize AKD™	alkaline reactive size	opaque white liquid	30	3.5	100	cationic	Alkaline papermaking systems with & w/out CaCO <sub>3</sub> ; recycled OCC & specialty grades.	Ready-to-use; high efficiency; extended shelf life compared to current commercial products.	
NovaSize ASA™	alkaline reactive size	amber liquid	100		200		Neutral & alkaline papermaking systems.	Must be emulsified with a suitable emulsifying agent, i.e., G-P's EML products.	
NovaSize EML™	ASA size emulsifier	opaque liquid	15.5	3.0	600	cationic	Neutral & alkaline papermaking systems.	Utilized in conjunction with G-P's NovaSize ASA™ for optimal sizing performance.	
<b>SPECIALTY PRODUCTS</b>									
SizeXcel® 1790	low molecular weight, high charge density cationic polymer	yellow to amber liquid	50	7.0	100	cationic	Thin or thick stock systems; acid or alkaline papers.	Manages cationic demand wherever anionics are present; can aid greater use of CaCO <sub>3</sub> -containing broke.	
SizeXcel® 1799	high molecular weight, high charge density cationic polymer	yellow to amber liquid	50	6.0	5000	cationic	Thin or thick stock systems, especially at high temperatures or high conductivities.	Manages cationic demand wherever anionics are present; can aid greater use of CaCO <sub>3</sub> -containing broke.	
NovaCote PC® 1911	pigmented white boxboard coating	white liquid	64	8.5	13*		Rod, knife, or roll coating either off machine, prior to or on the front end of corrugating lines.	Waxable white boxboard high gloss (1911) and moderate gloss (3050) coatings providing excellent hot melt and water-based adhesive gluability.	
NovaCote PC® 3050	pigmented white boxboard coating	white liquid	68	8.5	13*				
PolyWeb® 5000	high charge density polymer	burgundy liquid	12.5	5.5	75	cationic	Thin or thick stock systems for newsprint.	Minimizes wet web breaks; controls linting in newsprint.	
Unicrepe® C77	polyamide creping aid	clear amber liquid	15	4.0	38	cationic	At the wet end as well as sprayed on.	Promotes adhesion onto Yankee dryers.	

\* measured in seconds, # 3 Zahn cup.

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