

Formaldehyde-Free Solutions for Nonwovens, Specialty Paper and Textile Applications

Lubrizon offers a wide variety of polymers and custom-formulated solutions for nonwovens, specialty paper and textile applications – including **environmentally-friendly, NMP-free** and **formaldehyde-free** alternatives – to impart strength, durability, flame resistance, barrier properties and more.

Designed to meet today's demanding manufacturing requirements, our line of **formaldehyde-free** products includes:

- **Hycar**® acrylic emulsions
- **Vycar**® emulsions
- **Permax**™ polymers
- **Performax**® custom formulated solutions
- **Sancure**® polyurethane dispersions

The Lubrizon Advantage

Lubrizon polymers help enhance products used in a variety of applications, including surgical nonwovens, filters, gaskets, mat and facers, automotive, construction and more. You'll meet your green objectives, without sacrificing performance.

Filters



Tapes



Construction

Application Solutions

- Construction
- Filtration
- Transportation
- Medical
- Technical Textiles
- Abrasives
- Tape & Tape Release Coatings
- Wipes
- UF-Mod
- Mat & Facers
- Gasketing
- Wallpaper



► Formaldehyde-Free Products

		Product Characteristics												Suitable Substrates					Additional Information	
	Products	Tg	Solids	Charge	pH	Viscosity	Carboxylated	Hydrophobicity	Solvent Resistance	Flame Retardance	Wet Strength	Resilience	Pleatability/Moldable	Cellulosics	Fiberglass	PES & Nylon	Textiles	Other	Market Opportunities	
Soft	Hycar® 26-1771	-43	50	A	3	100	✓	✓										✓	✓	FR Salt tolerance, PSA
	Hystretch® V43FF	-43	50	A-N	8	100	✓					✓		✓		✓	✓	✓		Elasticity, soft
	Hycar 26-1199	-15	49	A	4	500	✓	✓			✓	✓					✓	✓	✓	High surface tension, caustic resistance
	Hycar 26552	-15	47	A	5	110	✓	✓			✓	✓					✓			Medical nonwovens
	Carbocure™ FF-5	-5	39	A	4	50			✓		✓	✓			✓	✓	✓		✓	Filtration, paper, nonwoven
	Hycar 26469	-4	49	N	4	100	✓					✓			✓	✓	✓			Medical, tape
	Hycar FF-26916	0	50	A	8	100	✓	✓	✓		✓	✓			✓	✓	✓	✓		Bookcover, glass
	Hycar 26-1497	5	50	A	3	150	✓	✓		✓		✓				✓	✓	✓	✓	FR - Carpet, barrier
	Vycar® 578	11	57	A	10	40		✓		✓	✓	✓	✓			✓	✓	✓	✓	FR - Heat seal-PVC
Medium	Vycar 580X83	17	56	A	10	30		✓		✓	✓	✓	✓		✓	✓	✓			Heat seal,
	Vycar 577	19	56	A	10	17		✓		✓	✓	✓	✓		✓	✓	✓			Heat seal, glass
	Vycar 450x61	20	54	A	8	20	✓			✓	✓	✓	✓	✓				✓		Tough abrasion resistant
	Hycar 26-1265	23	49	A	4	350	✓	✓			✓			✓	✓					NW - FDA possible
	Hycar 26-1084	27	40	A	4	80	✓	✓			✓				✓	✓				Nonwicking glass mat
	Hycar FF-26903	29	48	A	5	100	✓	✓	✓						✓	✓				Glass mat, filter media
	Hycar FF-26920	29	45	A	8	150	✓	✓	✓		✓				✓	✓				Glass mat, filter media
	Hycar FF-26921	29	45	A	8	150	✓	✓	✓		✓				✓	✓				Glass mat, filter media
	Hycar 26907	31	48	A	6	100	✓	✓			✓	✓	✓		✓					Filtration, paper
	Vycar VA-1022	32	57	N	5	1300		✓			✓				✓			✓		Box board, adhesive, packaging
Hard	Hycar 26902	33	50	A	4	125	✓							✓		✓				Book cover, FR
	Carbaset® XPD 2730	42	30	A	6	50		✓			✓			✓						Paper/Sizing renewable
	Hycar 26-1459	43	52	A	8	200	✓	✓			✓						✓			Carpet/Trunk liner
	Hycar 26-1475	50	50	A	4	350	✓	✓			✓			✓		✓	✓			High surface tension, water resistant, NW, moldable
	Vycar 450x70	54	52	A	9	20	✓			✓	✓				✓	✓				Nonwovens
	Vycar 351	62	57	A	10	20		✓		✓	✓			✓						FR - Pleatable
	Vycar 352	69	57	A	10	20		✓		✓	✓			✓						FR - Pleatable
	Vycar 460x104	73	55	A	9	15	✓			✓	✓					✓	✓			Filtration, NW, paper
	Vycar 151	85	50	A	10	20		✓		✓	✓								✓	FR - Hard
	Hycar 26459	100	45	A	4	50	✓	✓			✓				✓	✓	✓			Paper/Construction
		Product Characteristics												Suitable Substrates					Additional Information	
Polyurethane Dispersions	Permax™ 300	V.SOFT	42	N	6	500	✓						✓			✓	✓	✓		HMVT, Hydrophillic, apparel, construction
	Sancure® 20025F	SOFT	48	A	8	500	✓	✓					✓			✓	✓	✓		Soft NMP free
	Sancure 20045	SOFT	45	A	8	100	✓	✓		✓						✓	✓			Soft FR NMP-free,
	Sancure 20047	SOFT	50	A	8	500	✓	✓					✓			✓	✓	✓		Tough upholstery, PES recyclable
	Permax 232	SOFT	35	N	6	750	✓									✓	✓	✓		HMVT, Hydrophillic, apparel, construction
	Permax 202	MED	41	N	6	1000	✓									✓	✓	✓		HMVT, Hydrophillic, apparel, construction
	Sancure 2715	MED	38	A	8	750	✓	✓							✓		✓	✓	✓	Paper saturation, compounding
	Sancure 861	MED	40	A	8	1000	✓	✓								✓	✓	✓	✓	Hook & loop, scrub pad, military
	Sancure 20037F	FIRM	38	A	8	500	✓	✓		✓				✓				✓	✓	FR-Filtration, blinds, automotive
	Sancure 20041	FIRM	45	A	8	100	✓	✓											✓	Hard - NMP-free
	Sancure 20048	FIRM	38	A	8	500	✓	✓		✓							✓	✓	✓	Firm FR filtration, blinds REACH

ES-009R September 2010
 ©™ Trademarks owned by The Lubrizol Corporation.
 © The Lubrizol Corporation 2010, all rights reserved.