Lubrizol

CARBOBOND®

CARBOTAC®

HYCAR®

VYCAR®

SANCURE®

High-Performance Polymers for Adhesive Applications

DORESCO®

CARBOBOND®

CARBOTAC®

HYCAR®

VYCAR®

SANCURE®

Lubrizol Resins and Polymers

Lubrizol provides a complete line of resins and polymers to improve the performance of adhesives. From removable and laminating adhesives to permanent/semi-permanent and construction adhesives, Lubrizol supplies the technology to help you formulate the innovative products demanded in today's marketplace.

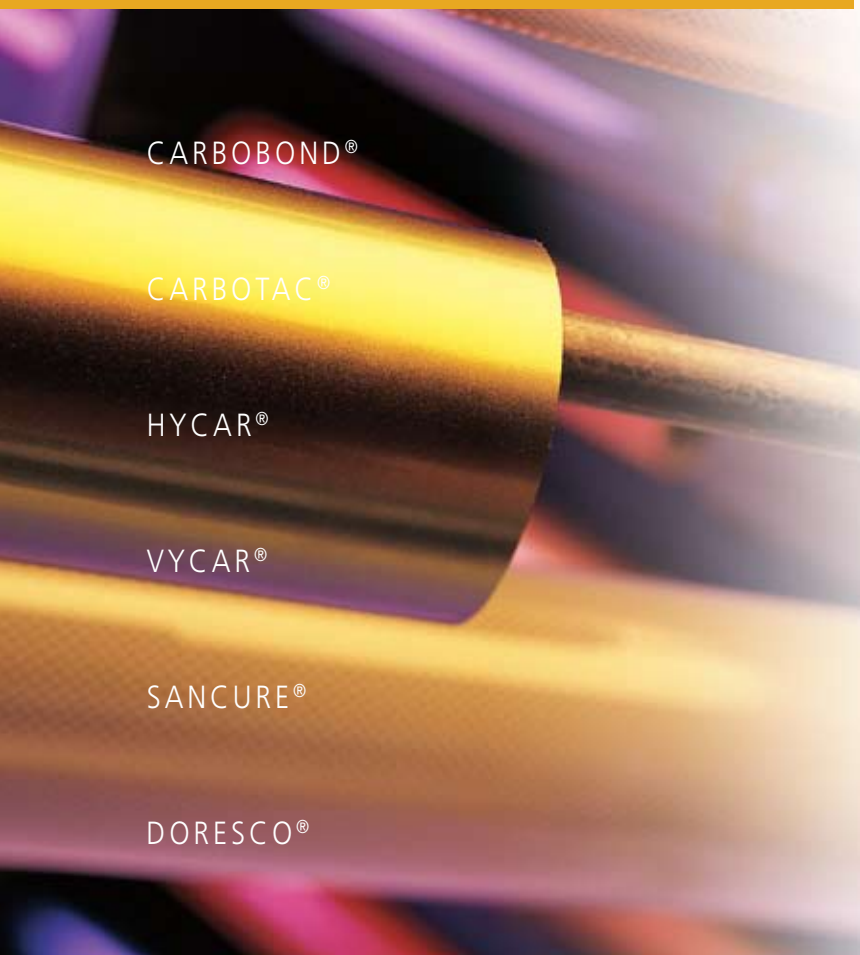
Our complete product portfolio offers a wide range of adhesive properties, including reliable bond, excellent adhesion control, resistance to solvents and FDA clearances.

No matter what your application need, Lubrizol can help you meet a broad range of challenges, including:

- Heat Seal Applications
- Pressure Sensitive Adhesives
- UV Resin Modifiers
- Dry and Wet Laminating Applications
- Construction Adhesives and Sealants
- Permanent/Semi-Permanent Adhesives

What's more, Lubrizol combines global resources, unmatched technical expertise and a commitment to responding to your unique needs – making us the single-source supplier for any adhesive application.

For high-performance adhesives, stick with Lubrizol.



	POLYMER PERFORMANCE ATTRIBUTES								
	Chemistry*	High Tack and Peel	High Solids	Good Bond Strength	High Shear	Heat/Light Stability	Plasticizer Resistance	Non-blocking	FDA 175.105
Permanent and Semi-Permanent Adhesives									
Carbotac 1811	AE	■	■	■		■			■
Carbotac 1822	AE		■	■		■			■
NEW Carbotac XPD 2897	AE	■	■	■		■	■		■
Sancure 2104	PU	■		■					
Removeable Adhesives									
Carbotac 1814	AE		■	■	■	■	■		■
Carbotac 26171	AE			■	■	■			■
Carbotac 26146	AE			■		■			
Carbotac 26222	AE	■		■		■			■
Laminating Adhesives									
Carbobond 1995	AE	■	■	■		■			■
Carbobond 26373	AE		■	■		■		■	■
Heat Sealable Adhesives									
Vycar 460X46	PV			■				■	■
Hycar 26084	AE			■		■	■	■	■
Hycar 26288	AE			■		■	■	■	■
NEW Hycar 26315	AE			■		■		■	■
Vycar 460X49	PV			■				■	■
Hycar 26448	AE			■		■		■	■
Sancure 1601	PU			■			■	■	
Sancure 12929	PU			■		■		■	
Construction Adhesives and Sealants									
Carbobond 26387	AE	■	■				■		
Hycar 26819	AE	■	■				■		

AE = Acrylic Emulsion *PU = Polyurethane Dispersion* *AB = ABS Emulsion*

	Non-Volatile Content	Polymer Content	Diluent	Viscosity
UV Resin Modifiers				
NEW Doresco UVC87-5	100%	59%	isobornyl acrylate	59000 cP
NEW Doresco UVC87-7	100%	67%	1,6 hexanediol diacrylate	Z8

for Adhesive Applications

Broad FDA Approval	Externally Crosslinkable	Thickens with pH	Mechanical Stability	Low Odor	Other Special Features	Suggested Uses and Applications	TYPICAL POLYMER PROPERTIES: Total Solids (%)	pH	Viscosity (cPS)	Tg (°C)	Carboxylated	Self-Crosslinking	APE Free
	■	■	■	■	FDA 176.170 and 176.180, low-temperature adhesive	PSA, tackifier	55	4.5	120	-43	■		■
	■	■	■	■	FDA 176.170 and 176.180, good cohesive strength	PSA, removable, carpet/tile adhesive	55	4.5	210	-43	■		■
	■	■	■	■	FDA 176.180, high-solids with good tack and adhesion to various foils and films; will accept fillers	PSA, metal foil laminations, PVC floor coverings, carpets, caulks	65	4.5	150	-35	■		
	■		■		Good green tack, low softening point, excellent adhesion to various substrates	PSA, lamination	33	9	300	—	■		
■	■		■	■	Plasticizer/solvent-resistant, good cohesive strength	PSA, film and paper laminations	55	4.5	80	-30	■		■
	■	■	■	■	FDA 176.180, good balance of tack, peel and shear, sprayable	PSA, tape, label, maskant	50	2.5	125	-43	■	■	■
			■	■	Low non-ghosting, stable adhesion levels and release, good adhesion to films and foils	PSA, tape, label, maskant	51	7	100	-55			
			■	■	Good non-ghosting, stable adhesion levels and release, good adhesion to films and foils	PSA, tape, label, maskant	50	8	70	-55			
	■	■	■	■	Good adhesion to various films, foils and paper	Dry and wet laminations	55	4	100	-30	■		■
■	■	■	■	■	Good green tack, de-waters fast, heat sealable, water-resistant	Wet laminations, microwavable packaging, heat seal	58	2.6	90	5	■	■	■
	■		■		Water-, solvent-, alcohol- and alkali-resistant, good UV light stability	FR applications, automotive	49	5	40	7	■	■	■
■	■		■	■	Solvent-resistant, excellent compound stability	Automotive, cold seal, general adhesives	48	6.1	110	8	■	■	■
■	■		■	■	Excellent water-resistance, good compound stability	Automotive, cold seal, general adhesives	50	4	60	20	■	■	■
	■		■	■	FDA 175.300, 175.320, 176.170, 176.180, excellent water-resistance	Automotive, cold seal, general adhesives	49	2.1	36	55	■	■	■
	■		■		FDA 176.180, excellent water- and chemical-resistance	FR applications, automotive	50	5	20	40	■	■	
	■		■	■	FDA 176.170, 176.180, 177.1010, excellent water-resistance	Automotive, cold seal, general adhesives	51	9.5	100	16	■		■
	■		■		Aromatic polyester, good adhesion to a variety of substrates and foils, tough but flexible	Automotive, general adhesives	35	8.5	1500	—	■		
	■		■		Aliphatic polyester, low-temperature heat sealability, flexible	Automotive, general adhesives	40	8	1000	—	■		■
	■	■	■	■	Good flexibility, high filler loads	General purpose construction, caulks, sealants	61	5	275	-23	■	■	■
	■	■	■	■	Good adhesion to a variety of substrates: glass, wood, metal	General purpose construction, caulks, sealants	60	3	70	0	■		■

PV = Polyvinyl Chloride Emulsion

Color (Gardner)	Chemistry	Function	Description
8+	Acrylate	Modifier	Adhesion modifier for energy-cured laminating adhesives on plastic substrates
7	Acrylate	Modifier	Adhesion modifier for energy-cured laminating adhesives on plastic substrates

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Printed in U.S.A.
ADH-001R3
July 2008