OMNOVA SOLUTIONS | PORTFOLIO SHEET

PRESSURE SENSITIVE ADHESIVES (PSA)

	PSA BASE POLYMERS	POLYMER	% TOTAL SOLIDS by weight	pH	T_g (°C)	BROOKFIELD VISCOSITY (cps)	SURFACE TENSION (dyn/cm)	STATIC SHEAR (hrs)	180° PEEL lbs/in. (N/25 mm) 30 min.	180° PEEL lbs/in. (N/25 mm) 24 hour	180° PEEL lbs/in. (N/25 mm) 1 week	LOOP TACK lbs/in. (N/25 mm)	FDA COMPLIANCE	PROPERTIES
PERMANENT	NovaCryl™ PS-V 700	Acrylic	54	7.5	-28	<1200 LVT #3 spindle @ 60 rpm, 25°C	43	>20	1.9 (8.5)	2.7 (12.0)	3.4 (15.1)	1.5 (6.7)	21 CFR 175.105	Excellent plasticizer resistance for use on vinyl films.
	NovaCryl PS-P 180	Acrylic	48	7.5	-50	<400 LVT #3 spindle @ 30 rpm, 25°C	43	>6	4.7 (20.9)	5.1 (22.7)	5.3 (23.6)	3.0 (13.4)	N/A	Excellent water and humidity resistance. Provides excellent adhesion to low polar surfaces. Good for low temperature applications.
	NovaCryl PS-P 130	Acrylic	57	7.5	-40	<1000 LVT #3 spindle @ 60 rpm, 25°C	38	>6	1.8 (8.0)	3.0 (13.4)	3.9 (17.4)	1.6 (7.1)	21 CFR 175.105 21 CFR 176.180	Balance of shear strength, peel and tack on most surfaces. Used in masking tape and inventory labels for corrugated surfaces.
	NovaCryl PS-P 170	Acrylic	60	5.0	-37	<1000 LVT #3 spindle @ 60 rpm, 25°C	38	>15	2.2 (9.8)	2.3 (10.2)	3.3 (14.7)	1.8 (8.0)	21 CFR 175.105 21 CFR 176.180	Excellent shear strength, moderate tack and peel on most surfaces. Used in applications requiring high cohesive strength or used in blends with tackifiers or high tack PSA's.
	NovaCryl 3088	SB	50	7.5	-50	<200 RVT #2 spindle @ 60 rpm, 25°C	50	>100	0.8 (3.6)	2.5 (11.1)	2.8 (12.5)	0.7 (3.1)	21 CFR 175.105 21 CFR 176.170* 21 CFR 176.180	Displays low to moderate initial tack, initial adhesion and ultimate adhesion. Excellent shear strength. Partial replacement to natural rubber latex.
	NovaCryl 3091	SB	50	9.5	-50	<200 RVT #2 spindle @ 60 rpm, 25°C	50	>100	0.5 (2.2)	2.0 (8.9)	2.3 (10.3)	0.7 (3.1)	21 CFR 175.105 21 CFR 176.170* 21 CFR 176.180	Excellent shear strength and low-to-medium peel and tack. Ideal for use as a base for tackified PSA's in cost-sensitive applications such as tapes and labels. Partial replacement to natural rubber latex.
	SX 67064 Experimental	Acrylic	64	4.0	-36	<2000 LVT #3 spindle @ 30 rpm, 25°C	41	>24	>1.5 (>6.7)	>2.5 (>11)	>5 (>22)	>2 (>9)	21 CFR 175.105	Excellent permanent film adhesive with low shrink and high shear for die-cutting. For use in industrial splicing tapes, marking tapes, overlaminate and peel & stick PSA articles.

Coated on 2 mil PET at 1 mil dry. Static shear measured on 1/2" x 1/2" stainless steel w/ 500 g load (PSTC test method #107).
Peel values are 180° peel adhesion on stainless steel (PSTC test method #101). Loop tack measured on stainless steel (PSTC method #16).

Hand sheets and wet samples are available upon request.
Base PSA polymer can be formulated to be coater ready.

Continued on reverse

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PRESSURE SENSITIVE ADHESIVES (PSA)

	PSA BASE POLYMERS	POLYMER	% TOTAL SOLIDS by weight	pH	T_g (°C)	BROOKFIELD VISCOSITY (cps)	SURFACE TENSION (dyn/cm)	STATIC SHEAR (hrs)	180° PEEL lbs/in. (N/25 mm)			LOOP TACK lbs/in. (N/25 mm)	FDA COMPLIANCE	PROPERTIES
									30 min.	24 hour	1 week			
REMOVABLE	NovaCryl PS-R 300	Acrylic	60	7.5	-37	<500 LVT #2 spindle @ 60 rpm, 25°C	38	>100	1.8 (8.0)	2.0 (8.9)	2.2 (9.8)	1.5 (6.7)	21 CFR 175.105	Excellent shear strength, low-to-medium peel and tack, low adhesion build and clean removability from most surfaces.
	NovaCryl PS-R 200	Acrylic	60	7.5	-37	<500 LVT #2 spindle @ 60 rpm, 25°C	38	>100	1.2 (5.3)	1.5 (6.7)	1.7 (7.6)	1.5 (6.7)	21 CFR 175.105	Excellent shear strength, low-to-medium peel and tack, low adhesion build and clean removability from most surfaces. Ideal for painters masking tape, labels and glass protective film.
LIGHT REMOVABLE	NovaCryl PS-R 100	Acrylic	60	7.5	-37	<500 LVT #2 spindle @ 60 rpm, 25°C	38	>100	0.7 (3.1)	1.1 (4.9)	1.5 (6.7)	0.9 (4.0)	21 CFR 175.105	Excellent shear strength, low-to-medium peel and tack, low adhesion build and clean removability from most surfaces.
	NovaCryl 3797	Acrylic	60	2.6	-43	<3000 LVT #2 spindle @ 60 rpm, 25°C	48	>100	0.4 (1.8)	0.5 (2.3)	0.6 (2.7)	0.9 (4.1)	21 CFR 175.105	Excellent shear strength, low-to-medium peel and tack, low adhesion build and clean removability from most surfaces.
	NovaCryl PS-R 30	Acrylic	56	7.5	-29	<700 LVT #3 spindle @ 30 rpm, 25°C	43	>100	0.2 (0.9)	0.4 (1.8)	0.4 - 0.6 (1.58 - 2.7)	0.7 (3.0)	21 CFR 175.105	Low peel. Excellent cling and electro-wetting characteristics. Ultra-removable.

Coated on 2 mil PET at 1 mil dry. Static shear measured on 1/2" x 1/2" stainless steel w/ 500 g load (PSTC test method #107).
Peel values are 180° peel adhesion on stainless steel (PSTC test method #101). Loop tack measured on stainless steel (PSTC method #16).

Hand sheets and wet samples are available upon request.
Base PSA polymer can be formulated to be coater ready.

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PRESSURE SENSITIVE ADHESIVES (PSA) - PRIMER & ADDITIVES

	PRODUCT NAME	POLYMER	% TOTAL SOLIDS by weight	pH	T_g (°C)	BROOKFIELD VISCOSITY (cps)	PROPERTIES
PRIMER	SunCryl® CP-75	Vinyl Acrylic Copolymer	45	4.5	-30	<300 cps RVT #1 spindle @50 rpm, 30°C	Excellent mechanical/shear stability. Tough, flexible coating. Self-crosslinking, anionic. Water miscible in all proportions at room temperature. Use on paper-based tapes and labels.
	SunCryl 4338M	Styrene Butadiene CoPolymer with Bio-based Content	43	6.5	-2	<200 cps RVT #1 spindle @50 rpm, 30°C	Excellent silicone hold-out. Does not inhibit the cure of silicone. Repulpable, clear coating with excellent mechanical stability.
	SunCryl 2014	Styrene Butadiene CoPolymer with Bio-based Content	42	6.0	0	<300 cps RVT #1 spindle @50 rpm, 30°C	Will not interfere with silicone release cure systems. Low odor, low surfactant bio-based copolymer with excellent stability and compatability with coating components and equipment.

	PRODUCT NAME	POLYMER	Physical Form	Molecular Weight	Specific Gravity at 25°	PROPERTIES
ANTIOXIDANT	Wingstay® L	Butylated Reaction Product of p-cresol & DCPD	Free flowing powder or flakes	650	1.1	Highly active, persistent antioxidant with low volatility. Ideally suited for stabilizing adhesive systems. Compatible with NR, IR, SBR, CR, SIS, SBS.
	Wingstay 29	Mixed Para Oriented Styrenated DCPD	Clear viscous liquid or powder	390	1.080	Highly active multi-purpose antioxidant with low volatility and low staining characteristics.

Hand sheets and wet samples are available upon request.

NOTE: Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, or whether such use will infringe the intellectual property rights of third parties.

www.omnova.com

OMNOVA SOLUTIONS

Americas
World Headquarters
175 Ghent Road
Fairlawn, OH 44333 USA
PHONE +1 330 869-4323
FAX +1 330 869-4338
CUSTOMER SERVICE +1 888 253-5454
EMAIL pccustserv@omnova.com

Europe / Middle East / Africa / India
14, avenue des Tropiques
Z.A. de Courtaboeuf 2 - Villejust
91955 Courtaboeuf Cedex
France
PHONE +33 (0) 1 69 29 27 00
FAX +33 (0) 1 69 29 27 01

Asia
1505 Harbour Ring Plaza
N° 18 Xi Zang Zhong Road
200001 Shanghai
P.R. China
PHONE +86 (21) 53 85 22 77
FAX +86 (21) 53 85 37 88

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