



Fiberfill and Nonwovens Binder Systems Fast Curing and High Resiliency

OMNOVA Solutions has developed a superior line of emulsion polymer systems designed to meet nearly any need for stiff and resilient bonding of fiberfill and nonwovens. These high quality products range from general purpose sprayable emulsions for furniture and quilt stuffing fiberfills to an extremely water resistant emulsion for hydrophobic nonwovens.

These self-crosslinking, self-catalyzed, anionic emulsion polymers offer an unsurpassed degree of performance: fast cure rate, high resiliency, maximum durability and ease in processing. All emulsions were developed and evaluated through extensive laboratory work at OMNOVA with full-scale commercial production approval. All are readily available in bulk quantities.

BINDER SYSTEMS						
	SUNCRYL® CP-50	PERMALOFT® XL	PERMALOFT® V	SUNCRYL® RW-41SP	SUNCRYL® RW-43	SUNCRYL® SA-220
Polymer Type	Vinyl-acrylic	Vinyl-acrylic	Vinyl-acrylic	Vinyl-acrylic	Vinyl-acrylic	Styrene-acrylic
Tg (°C)	-20	+25	+25	+30	+30	+35
% Solids	45	43	42	45	45	42
pH	4	4.5	4.5	4	4	4.25
Viscosity (cps)	<50	<200	<200	<50	<50	<100
Grit (ppm)	<20	<20	<20	<20	<20	<20
Specific gravity	1.060	2.087	1.087	1.087	1.087	1.040
Application	Very soft Nonwovens	Highly resilient Nonwovens	Highly resilient Nonwovens	Firm Nonwovens	Extra white Firm Nonwovens	Hydrophobic Nonwovens

SPECIAL BINDER SYSTEMS

	SUNCRYL® RW-41ND	SUNCRYL® HC	SUNCRYL® HP	SUNCRYL® 262
Polymer	Vinyl-acrylic	Vinyl-acrylic	Vinyl-acrylic	Vinyl-acrylic
(Tg (°C))	+30	+30	+30	+30
% Solids	45	45	45	45
pH	4	4	5	4
Viscosity (cps)	<50	<50	<50	<50
Grit (ppm)	<20	<20	<20	<20
Specific gravity	1.087	1.087	1.087	1.087
Application	Foamable, Shoddy, Interlinings, Silver knit	Easy hot can release, Shoddy, Interlinings	Foamable, High pile, Shoddy, Interlinings	Ultra-low formaldehyde, Extra white, fiberfill, Interlinings

Advantages of OMNOVA Emulsions

- Fast curing without post-added catalyst
- Excellent mechanical/shear stability
- Washing/dry cleaning durability
- Non-yellowing at elevated temperatures
- Accepts clay loading up to 200 PHR
- Quilted products can be ultrasonically stitched
- Low grit levels for trouble-free spray applications

Storage and Handling

Under normal storage conditions **SUNCRYL®** and **PERMALOFT®** emulsions display excellent stability. No special handling precautions are required, however, they should be protected from freezing. **OMNOVA** maintains up-to-date material safety data sheets on all of our products. We suggest you obtain copies for appropriate health and safety precautions.

NOTE:

Although data supplied above are believed to be accurate, each user is advised to make his or her own determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such a use will comply with all applicable laws or regulations, or whether such a use will not infringe the intellectual property rights of third parties.



OMNOVA Solutions Inc. · 1476 J.A. Cochran ByPass · Chester, SC 29706
Telephone 803-385-5181 · www.omnova.com

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