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VINNAPAS®

VINNOL®

EUROPEAN PRODUCT PORTFOLIO

DISPERSIONS FOR NONWOVENS AND TECHNICAL TEXTILES

PRODUCT OVERVIEW

		Typical General Characteristics							Stabilization System
Grade	Polymer Base	Solids Content (ISO 3251) (Residue after Drying) [%]	Viscosity Brookfield RVT at 23°C 20rpm (ISO 2555) [mPa.s]	pH (ISO 976)	Minimum Film-Forming Temperature (approx.) (ISO 2115) [°C]	Glass Transition Temperature Tg (DSC) (approx.) [°C]	Predominant Particle Size (approx.) [µm]	Film	Protective Colloid/ Emulsifier System
VINNAPAS® Homopolymer Dispersions									
VINNAPAS® DPN 36T	VAc	52 ± 1	25,000 ± 7,000	4 – 6	2	28	1	Brittle	PVOH [1]
VINNAPAS® DP 500	VAc	50 ± 2	35,000 ± 5,000	4.5 – 5.5	14	33	1 – 3	Brittle	PVOH [1]
VINNAPAS® DP 55	VAc	55 ± 2	3,000 ± 1,500	4 – 5	14	33	1 – 3	Brittle	PVOH [1]
VINNAPAS® Vinyl Acetate-Ethylene Copolymer Dispersions									
VINNAPAS® EP 177	VAc-E	60 ± 1	3,800 ± 1,000	4 – 5	0	3	0.9	Soft	PVOH [1]
VINNAPAS® EP 740	VAc-E	55 ± 1	2,400 ± 400	4 – 5	0	5	0.8	Soft	PVOH [1]
VINNAPAS® EPN 865	VAc-E	56 ± 2	2,500 ± 1,500	4 – 5	6	20	1.3 – 1.9	Tough	PVOH [1]
VINNAPAS® EF 1577	VAc-E	56 ± 1	1,000 ± 850	3.5 – 5.5	0	10	0.2	Tough	Surfactant
VINNAPAS® Self-Crosslinking Vinyl Acetate Copolymer Dispersions									
VINNAPAS® 192	VAc-E	52 ± 1	225 ± 175	4.5 – 6	0	10	0.1 – 3	Tough	Surfactant
VINNAPAS® AN 214	VAc-A	50 ± 1	250 ± 150	4.5 – 5.5	13	30	0.2 – 3	Tough	Surfactant
VINNAPAS® EN 1020	VAc-E	50 ± 1	350 ± 300	3 – 4	0	-8	0.3	Soft	Surfactant
VINNAPAS® EN 1024	VAc-E	53 ± 1	350 ± 250	4 – 5	0	-11	0.3	Soft	Surfactant
VINNAPAS® EN 1028	VAc-E	50 ± 1	350 ± 300	4.5 – 5.5	0	-5	0.3	Soft	Surfactant
VINNAPAS® EN 1033	VAc-E	53 ± 1	300 ± 200	3.5 – 4.5	0	-5	0.3	Soft	Surfactant
VINNAPAS® EN 428	VAc-E	52 ± 1	200 ± 150	4 – 6	0	-15	0.2 – 0.3	Soft	Surfactant
VINNOL® Vinyl Chloride Co- & Terpolymer Dispersions									
VINNOL® CE 35	VC-VAc-E	50 ± 1	70 ± 30	6.0 – 7.5	45	40	0.15	Brittle	Surfactant
VINNOL® CEN 2752	VC-E	50 ± 1	200 ± 150	5.0 – 7.5	5	10	0.2	Tough	Surfactant

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VINNAPAS® eco: The majority of VINNAPAS® grades that contain vinyl acetate can be certified as VINNAPAS® eco according to the mass balance approach.
For more information on the mass balanceapproach and available VINNAPAS® eco grades, please visit **www.wacker.com** or contact your local representative.

These figures are only intended as a guide and should not be used in preparing specifications.

1 PVOH = poly(vinyl alcohol)

PRODUCT OVERVIEW

	Product Properties							Application Methods			
Grade	Soft Hand	Hard Hand	Hydrophilic	Hydrophobic	Washproof and Solvent Resistant	Flame Retardant	Heat-Sealable/ HF-Weldable	Impregnation	Print Bonding	Spraying	Foaming
VINNAPAS® Homopolymer Dispersions											
VINNAPAS® DPN 36T		•••	••		••			••			
VINNAPAS® DP 500		•••	••					••			
VINNAPAS® DP 55		•••	••			•	••	••		•	
VINNAPAS® Vinyl Acetate-Ethylene Copolymer Dispersions											
VINNAPAS® EP 177	•		•			•	••	••			
VINNAPAS® EP 740	•		••			•	••	••			
VINNAPAS® EPN 865	•		••		•	•	••	••			
VINNAPAS® EF 1577	•		••				•	••		•••	••
VINNAPAS® Self-Crosslinking Vinyl Acetate Copolymer Dispersions											
VINNAPAS® 192	•		•••		••			••	••	•••	••
VINNAPAS® AN 214		•••	•••		••	•		••	••	•••	••
VINNAPAS® EN 1020	•••		•••		••			••	••	•••	••
VINNAPAS® EN 1024	•••		••		••			••	••	•••	•••
VINNAPAS® EN 1028	•••			•••	••			•••	••	•••	••
VINNAPAS® EN 1033	•••			•	••			••	••	•••	••
VINNAPAS® EN 428	•••			•••	•			•••	••	•••	••
VINNOL® Vinyl Chloride Co- & Terpolymer Dispersions											
VINNOL® CE 35		•••	•			•••	•••	••		••	•••
VINNOL® CEN 2752			•		•	•••	•	••	••		••

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••• Very well suited
•• Well suited
• Suited

WACKER

Wacker Chemie AG
Gisela-Stein-Strasse 1
81671 Munich, Germany

www.wacker.com/contact
www.wacker.com

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