WACKER

CREATING TOMORROW'S SOLUTIONS

VINNOL®

VINNAPAS®

EUROPEAN PRODUCT PORTFOLIO

VINNAPAS® AND VINNOL® – DISPERSIONS FOR NONWOVENS AND TECHNICAL TEXTILES

PRODUCT OVERVIEW

		Typical General Characteristics							Stabilization System	
Grade	Polymer Base[1]	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	Grade
VINNAPAS® Homopolymer Dispersions										
VINNAPAS® DPN 36T	VAc	52 ± 1	25,000 ± 7,000	4 – 6	2	28	1	Brittle	PVOH[2]	VINNAPAS® DPN 36T
VINNAPAS® DP 500	VAc	50 ± 2	35,000 ± 5,000	4.5 – 5.5	14	33	1 – 3	Brittle	PVOH[2]	VINNAPAS® DP 500
VINNAPAS® DP 55	VAc	55 ± 2	3,000 ± 1,500	4 – 5	14	33	1 – 3	Brittle	PVOH[2]	VINNAPAS® DP 55
VINNAPAS® DP 600	VAc	60 ± 2	35,000 ± 6,000	4 – 5.5	14	33	1 – 3	Brittle	PVOH[2]	VINNAPAS® DP 600
VINNAPAS® M 50/300	VAc	50 ± 1	1,000 ± 300	4 – 5	14	35	0.5 – 2	Brittle	PVOH[2]	VINNAPAS® M 50/300
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[2]	VINNAPAS® EP 177
VINNAPAS® EP 740	VAc-E	55 ± 1	2,400 ± 400	4 – 5	0	5	0.8	Soft	PVOH[2]	VINNAPAS® EP 740
VINNAPAS® EF 1577	VAc-E	56 ± 1	1,000 ± 850	3.5 – 5.5	0	10	0.2	Tough	Surfactant	VINNAPAS® EF 1577
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® 192
VINNAPAS® AN 214	VAc-A	50 ± 1	250 ± 150	4.5 – 5.5	13	30	0.2 – 3	Tough	Surfactant	VINNAPAS® AN 214
VINNAPAS® EN 1020	VAc-E	50 ± 1	350 ± 300	3 – 4	0	-8	0.3	Soft	Surfactant	VINNAPAS® EN 1020
VINNAPAS® EN 1024	VAc-E	53 ± 1	350 ± 250	4 – 5	0	-11	0.3	Soft	Surfactant	VINNAPAS® EN 1024
VINNAPAS® EN 1028	VAc-E	50 ± 1	350 ± 300	4.5 – 5.5	0	-5	0.3	Soft	Surfactant	VINNAPAS® EN 1028
VINNAPAS® EN 1033	VAc-E	53 ± 1	300 ± 200	3.5 – 4.5	0	-5	0.3	Soft	Surfactant	VINNAPAS® EN 1033
VINNAPAS® EN 428	VAc-E	52 ± 1	200 ± 150	4 – 6	0	-15	0.2 – 0.3	Soft	Surfactant	VINNAPAS® EN 428
VINNAPAS® Acrylic Copolymer Dispersions										
VINNAPAS® SAF 364	S/A	50 ± 1	9,000 ± 3,000	7.5 – 8.5	12	20	0.1	Tough	Surfactant	VINNAPAS® SAF 364
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® CE 35
VINNOL® CEN 2752	VC-E	50 ± 1	200 ± 150	5.0 – 7.5	5	10	0.2	Tough	Surfactant	VINNOL® CEN 2752

	Product Properties							Application Methods				
Grade	Soft Hand	Hard Hand	Hydrophilic	Hydrophobic	Washproof and Solvent Resistance	Flame Retardant	Heat-Sealable/HF-Weldable	Impregnation	Print Bonding	Spraying	Foaming	Grade
VINNAPAS® Homopolymer Dispersions												
VINNAPAS® DPN 36T		●●●	●●		●●			●●				VINNAPAS® DPN 36T
VINNAPAS® DP 500		●●●	●●					●●				VINNAPAS® DP 500
VINNAPAS® DP 55		●●●	●●			●	●●	●●		●		VINNAPAS® DP 55
VINNAPAS® DP 600		●●●	●●				●	●●				VINNAPAS® DP 600
VINNAPAS® M 50/300		●●●	●●			●	●●●	●●		●		VINNAPAS® M 50/300
VINNAPAS® Vinyl Acetate-Ethylene Copolymer Dispersions												
VINNAPAS® EP 177	●		●			●	●●	●●				VINNAPAS® EP 177
VINNAPAS® EP 740	●		●●			●	●●	●●				VINNAPAS® EP 740
VINNAPAS® EF 1577	●		●●				●	●●		●●●	●●	VINNAPAS® EF 1577
VINNAPAS® Self-Crosslinking Vinyl Acetate Copolymer Dispersions												
VINNAPAS® 192	●		●●●		●●			●●	●●	●●●	●●	VINNAPAS® 192
VINNAPAS® AN 214		●●●	●●●		●●	●		●●	●●	●●●	●●	VINNAPAS® AN 214
VINNAPAS® EN 1020	●●●		●●●		●●			●●	●●	●●●	●●	VINNAPAS® EN 1020
VINNAPAS® EN 1024	●●●		●●		●●			●●	●●	●●●	●●●	VINNAPAS® EN 1024
VINNAPAS® EN 1028	●●●			●●●	●●			●●●	●●	●●●	●●	VINNAPAS® EN 1028
VINNAPAS® EN 1033	●●●			●	●●			●●	●●	●●●	●●	VINNAPAS® EN 1033
VINNAPAS® EN 428	●●●			●●●	●			●●●	●●	●●●	●●	VINNAPAS® EN 428
VINNAPAS® Acrylic Copolymer Dispersions												
VINNAPAS® SAF 364		●●	●●					●●●				VINNAPAS® SAF 364
VINNOL® Vinyl Chloride Co- & Terpolymer Dispersions												
VINNOL® CE 35		●●●	●			●●●	●●●	●●		●●	●●●	VINNOL® CE 35
VINNOL® CEN 2752			●		●	●●●	●	●●	●●		●●	VINNOL® CEN 2752

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

[1] VAc = vinyl acetate
A = acrylic ester
E = ethylene
VC = vinyl chloride
S = styrene

[2] PVOH = poly(vinyl alcohol)

●●● Very well suited
●● Well suited
● Suited

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