

CO-SOLVENT FREE GRADES

Hauthaway
POLYURETHANE DISPERSIONS

	PROPERTIES								APPLICATIONS														
Product	Type	Solids (%)	Softening Point (°F)	VOC (g/l)	Sward Hardness	Elongation (%)	Tensile Strength (psi)	100% Modulus (psi)	Architectural Coatings	Auto Interior Plastics	Auto Refinish / Chip Guard	Concrete Floor Coatings	Film Coatings	Flame-retardant Coatings	Consumer Electronics	Industrial Maintenance	Printing / Ink / OPV	Cabinet/Wood Finishes	PVC Coatings	Paper & Film Finishes	Sport Flooring	Textile / Thread Finishes	Wood Floor Coatings
HD-2015	PE	35	325	16	20	440	4500	1550														*	
HD-2024	PE	45	325	10	NA	750	4000	480														*	
HD-2313	PE	45	320	<12	NA	560	3500	560						*								*	
HD-2334	PE	45	340	41	NA	245 *	3750	2600	*					*								*	
HD-3810	NA	35	300	47	NA	550	1600	385												*			
HD-3830	PE	35	325	14	NA	500	980	380												*			
HD-4664	PES/PE	50	309	12	14	625	6000	800			*												
HD-4669	PES/PE	40	365	14	48	270 *	6300	3600				*	*				*						
HD-4675	PES	38	345	18	46	190 *	5900	4400	*			*									*		*
HD-4680	PES/PE	35	365	37	NA	200 *	5300	3600	*			*					*	*			*		*
L-3528	PC	35	380	12	41	340 *	4400	2040	*		*		*		*	*			*				*
L-3529	PC	35	300	35	10	640	3650	375												*		*	
L-3614	PES	35	290	47	NA	810	5760	850														*	
L-3615	PES	35	360	45	35	260 *	6000	4300	*									*					

PYRROLIDONE-FREE / APEO-FREE GRADES

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Product	Type	Solids (%)	Softening Point (°F)	VOC (g/l)	Sward Hardness	Elongation (%)	Tensile Strength (psi)	100% Modulus (psi)	Architectural Coatings	Auto Interior Plastics	Auto Refinish / Chip Guard	Concrete Floor Coatings	Film Coatings	Consumer Electronics	Industrial Maintenance	Printing / Ink / QPV	Cabinet/Wood Finishes	PVC Coatings	Paper & Film Finishes	Sport Flooring	Textile / Thread Finishes	Wood Floor Coatings
HD-2001 DMM	PES	35	265	129	NA	550	4000	500														
HD-2101 DMM	PES	35	325	107	NA	500	>5000	700										*	*			
HD-2107 DMM	PES	35	350	65	NA	235 *	7000	4800	*	*			*				*		*	*	*	*
HD-2117 DMM	PES	34	350	98	NA	50 *	4850	NA	*			*					*					*
HD-2120 DMM	PES	35	355	111	52	35 *	8500	NA	*	*		*			*		*	*				
HD-2125 DMM	PES	35	360	104	NA	150 *	8000	5200	*	*	*	*	*	*	*	*	*	*				
HD-2142 DMM	PES	35	NA	91	NA	185 *	4515	3450		*				*			*	*			*	
HD-2209 DMM	PES	35	330	95	NA	330 *	7300	3500									*			*		
HD-2503 DMM	PC	35	355	100	NA	210 *	6825	4700			*						*					*
HD-2504 DMM	PC	35	350	75	NA	100 *	7800	5200			*	*	*									
HD-2602 DMM	PES/SI	35	305	73	NA	300 *	6375	3180														
HD-4638 DMM	PES/PE	35	320	38	NA	600	3000	770									*				*	
HD-6000 DMM	PES	35	44	70	NA	230 *	7000	4850				*		*								
HD-6002 DMM	PC	35	NA	122	NA	220 *	6500	3900		*	*	*		*								

NMP-CONTAINING GRADES

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POLYURETHANE DISPERSIONS

	PROPERTIES								APPLICATIONS														
Product	Type	Solids (%)	Softening Point (°F)	VOC (g/l)	Sward Hardness	Elongation (%)	Tensile Strength (psi)	100% Modulus (psi)	Architectural Coatings	Auto Interior Plastics	Auto Refinish / Chip Guard	Concrete Floor Coatings	Film Coatings	Flame-retardant Coatings	Consumer Electronics	Industrial Maintenance	Printing / Ink / OPV	Cabinet/Wood Finishes	PVC Coatings	Paper & Film Finishes	Sport Flooring	Textile / Thread Finishes	Wood Floor Coatings
HD-2101	PES	40	325	145	10	500	>5000	700											•	•		•	
HD-2107	PES	35	350	147	44	235 *	>7000	4800	•	•	•		•					•			•		•
HD-2117	PES	34	350	98	NA	50 *	>4850	NA	•			•						•					
HD-2120	PES	35	355	134	52	35 *	8500	NA	•	•		•			•				•				•
HD-2125	PES	35	345	134	50	150 *	8000	5200	•	•	•	•	•	•	•	•		•	•				
HD-2142	PES	35	310	128	NA	185 *	4515	3450		•					•				•				
HD-2209	PES	35	330	132	42	330 *	7300	3500										•				•	•
HD-2503	PC	35	335	98	NA	210 *	6825	4700		•			•					•					
HD-2504	PC	35	350	100	50	100 *	7800	5200		•		•											
HD-2602	PES/SI	35	305	105	35	300 *	6375	3180		•													
HD-4638	PES/PE	35	320	16	NA	600	3000	770									•					•	

	PROPERTIES									APPLICATIONS														
Product	Type	Solids (%)	OH Equivalent Wt.	Softening Point (°F)	VOC (g/l)	Sward Hardness	Elongation (%)	Tensile Strength (psi)	100% Modulus (psi)	Architectural Coatings	Auto Interior Plastics	Auto Re finish / Chip Guard	Concrete Floor Coatings	Film Coatings	Flame-retardant Coatings	Consumer Electronics	Industrial Maintenance	Printing / Ink / OPV	Cabinet/Wood Finishes	PVC Coatings	Paper & Film Finishes	Sport Flooring	Textile / Thread Finishes	Wood Floor Coating
HYDROXY-FUNCTIONAL GRADES																								
HD-6000	PES	35	3100	NA	126	NA	230 *	7000	4850				*			*								
HD-6002	PC	35	4000	NA	126	NA	220 *	6500	3900		*		*			*								
HD-6000 DMM	PES	35	3100	NA	70	NA	230 *	7000	4850				*			*								
HD-6002 DMM	PC	35	4000	NA	122	NA	220 *	6500	3900		*		*			*								
BIO-BASED GRADES																								
L-3360	PES/PE	35	NA	310	19	NA	370	1600	700	*											*			
L-3369	PES	35	NA	NA	26	NA	300 *	2700	2050	*			*						*					
UV-CURABLE GRADES																								
L-3415	PES	35	NA	280 *	0	43 **	NA	NA	NA					*		*						*		*
L-3685	PC	35	NA	290 *	51	64 **	NA	NA	NA		*			*		*								*
L-3790	PC	35	NA	290 *	75	64 **	NA	NA	NA		*			*		*								*

+ Uncured ++ Cured

PES: Polyester

PE: Polyether

PC: Polycarbonate

SI: Silicone

*ASTM method D882-91 for hard polymers ** Crosshead speed of 2 in/min vs 20 in/min for other polymers. Technical Data Sheets for each available at www.hauthaway.com

ADHESIVE GRADES

Hauthaway
POLYURETHANE DISPERSIONS

PROPERTIES								ATTRIBUTES / APPLICATIONS
Product	Type	Solids (%)	Softening Point (°F)	VOC (g/l)	Elongation (%)	Tensile Strength (psi)	100% Modulus (psi)	
HD-2001	PES	40	265	147 (NMP)	550	4000	500	Film, foil, paper laminating, soft/flexible hand coatings
HD-4664	PES/PE	50	309	12	625	>6000	800	Textile binder, film and credit card laminating
L-2183	PES/PE	35	200	47 (NMP)	1200	1500	75	Low tack, pressure-sensitive applications
L-2245	PES/PE	40	220	30 (NMP)	600	3300	710	Film, foil, paper laminating—good adhesion to plasticized PVC
L-2255	PES/PE	48	240	10	580	3000	800	Film, foil, paper laminating—good adhesion to plasticized PVC
L-3697	PES/PE	55	340	11	780	3535	480	Multi-purpose textile binder

BONDTHANE POLYURETHANE DISPERSIONS

Hauthaway
POLYURETHANE DISPERSIONS

Product	Type	Co-Solvent Free	NMP Free	Solids (%)	Sward Hardness	Elongation (%)	Tensile Strength (psi)	100% Modulus (psi)	Wood Flooring	Wood Furniture	Rigid Vinyl Coatings	Metal Coatings	Rigid Plastic Coatings	Flexible Vinyl / PVC	Leather Finishes	Textile Coatings	Inks & OPV's	Bonded Leather	Heat Seal Adhesives	Laminating Adhesives	Sealants
UD-215	PES		•	35	18	350	2500	1550					•	•	•		•	•			
UD-220	PES			35	38	200	6500	5000	•	•	•	•	•								
UD-250	PES			35	30	200	5500	4000	•	•	•	•	•								
UD-255	PES		•	35	30	135	3150	2900	•	•	•	•	•								
UD-301	PES			40	6	600	5000	300						•	•	•		•	•	•	•
UD-410	PE	•	•	35	<4	600	NA	40								•	•				
UD-420	PE	•	•	40	<4	370	1200	500								•	•				
XP-130S	PES	•	•	60	<4	>1000	NA	100							•	•	•	•			